



BIBLIOGRAFIJA

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Fizičkog odsjeka
Prirodoslovno-matematičkog fakulteta
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Sadržaj

| | |
|---|-----|
| Predgovor | II |
| Riječ pročelnika Fizičkog odsjeka | IV |
| <i>Radovi u časopisima indeksiranim u bazi podataka Web of Science Core Collection</i> | |
| Izvorni znanstveni radovi | 1 |
| Pregledni radovi | 73 |
| Radovi sa znanstvenih skupova objavljeni u časopisima | 76 |
| Pisma uredniku | 97 |
| <i>Radovi objavljeni u časopisu Fizika (izvorni znanstveni radovi, radovi sa znanstvenih skupova, pisma uredniku)</i> | |
| Autorsko kazalo | 109 |
| Popis časopisa | 176 |

PREDGOVOR

Bibliografija obuhvaća radove zaposlenika Fizičkog odsjeka Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu u desetogodišnjem razdoblju, odnosno od 1999. do 2008. godine. Uvršteni su radovi objavljeni u vrijeme kad su autori bili zaposlenici Fizičkog odsjeka. Bibliografija sadrži 741 bibliografsku jedinicu, strukturiranu prema prilagođenim Vancouverskim pravilima, što je pridonijelo jasnijem prikazu informacija.

Bibliografija je podijeljena na dva dijela. Prvi dio odnosi se na radove objavljene u časopisima koje indeksira baza podataka Web of Science Core Collection. Prilikom pretraživanja baze podataka nisu pronađene sve bibliografske jedinice, stoga su dodane naknadno zahvaljujući savjetovanju s nastavnim djelatnicima. Radovi su svrstani u sljedeće kategorije: izvorni znanstveni radovi, pregledni radovi, radovi sa znanstvenih skupova objavljeni u časopisima i pisma uredniku. Klasifikacija radova napravljena je prema bazi podataka Web of Science Core Collection i ponekad se razlikuje od klasifikacije u časopisu. Unutar svake kategorije radovi su poredani kronološki i abecedno prema prvom autoru.

Kod radova autora članova STAR kolaboracije uvršteni su prvi i zadnji autor na radu i autori s afilijacijom Fizičkog odsjeka Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu, kao i oni s afilijacijom „Croatia“. Ovakav način zapisivanja radova odabran je zbog mnogobrojnog autorstva, kao i preglednosti samog zapisa. STAR kolaboracija broji oko 360 autora i, iako u bibliografskim zapisima nisu popisani svi (strani) autori, oni se mogu naći na poveznicama koje se nalaze uz zapise.

U drugom dijelu bibliografije nalaze se radovi objavljeni u časopisu Fizika A i Fizika B. Svi radovi poredani su kronološki i abecedno prema prvom autoru. Uz svaki rad u zagradama nalazi se naziv kategorije rada. Kategorije radova u ovom dijelu bibliografije su: izvorni znanstveni radovi, radovi sa znanstvenih skupova i pisma uredniku.

Većina radova sadrži DOI (Digital Object Identifier), trajnu poveznicu na sažetak rada na stranici izdavača ili na cjeloviti tekst. Mrežnim stranicama pristupano je putem navedenih poveznica tijekom izrade bibliografije, krajem 2018. i početkom 2019. godine. Radovi kojima nije pridružena poveznica, nisu mrežno dostupni.

Bibliografija sadrži kazalo autora s naznakom rednih brojeva obrađenih radova. Kod autora koji su objavljivali pod više od jednim oblikom imena u kazalu je izabran jedan oblik za jedinstvenu odrednicu, a za ostale je izrađena uputnica, kako bi se na istom mjestu okupili radovi jednog autora.

Na kraju bibliografije nalazi se abecedni popis svih časopisa zastupljenih u bibliografiji.

Gordana Stubičan Ladešić

RIJEČ PROČELNIKA FIZIČKOG ODSJEKA

Zadnjih nekoliko desetljeća, Fizički odsjek Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu profilirao se u respektabilnu instituciju u znanstveno-nastavnom radu u području prirodnih znanosti, polje fizika u Republici Hrvatskoj. Jedna od temeljnih djelatnosti Fizičkog odsjeka je znanstveno istraživanje u nizu grana fizike, koje rezultira brojnim vrhunskim znanstvenim radovima objavljenim u najuglednijim međunarodnim znanstvenim časopisima, čime odsjek značajno doprinosi ugledu Sveučilišta u Zagrebu u široj međunarodnoj znanstvenoj zajednici. Snažna znanstvena aktivnost odsjeka integrirana je s nastavnim programima od dodiplomskog do poslijediplomskog studija fizike, čime je našim studentima omogućen uvid u aktualnu problematiku nekih od najvažnijih otvorenih pitanja moderne znanosti.

Bibliografija Fizičkog odsjeka izrađena je u spomen i zahvalu svim djelatnicima Fizičkog odsjeka koji su zaslužni što su svojim predanim znanstvenim i nastavnim radom i izvrsnim znanstvenim radovima gradili i unaprijeđivali djelatnost Fizičkog odsjeka na najvišoj razini. Bibliografija je također izrađena s namjerom upoznavanja šire javnosti sa značajem i opsegom znanstveno-istraživačkog rada na Fizičkom odsjeku. Ova bibliografija objedinjuje znanstvene publikacije odsjeka u periodu od 1999. do 2008. godine, uključujući radove objavljene u časopisima indeksiranim u bazi podataka Web of Science Core Collection, kao i radove objavljene u časopisu Fizika A i Fizika B. Knjiga predstavlja posebno vrijedan pregled aktivnosti na Fizičkom odsjeku i svjedoči o uspješnom znanstvenom radu koji se provodi na Fizičkom odsjeku, kao i snažnoj integraciji naših istraživača s brojnim vodećim sveučilištima i znanstvenim institucijama u svijetu. Kvaliteta objavljenih znanstvenih radova razvidna je ne samo iz činjenice da su brojni radovi objavljeni u najuglednijim međunarodnim znanstvenim časopisima, već je potvrđena i visokom citiranošću većeg broja radova koji su dostigli zavidnu prepoznatljivost u međunarodnoj znanstvenoj zajednici.

Najljepše zahvaljujem autorici knjige Gordani Stubičan Ladešić, voditeljici knjižnice na Fizičkom odsjeku, na velikom angažmanu i entuzijazmu u pripremi ovog djela, kao i svim djelatnicima odsjeka koji su svojim doprinosima osobno pridonijeli da bibliografija bude što kvalitetnija i sveobuhvatnija. Posebno zahvaljujem i recenzentima, prof. dr. sc. Matku Milinu i prof. dr. sc. Miroslavu Požeku čije je veliko znanje i iskustvo unaprijedilo bibliografiju, kao i svima drugima koji su posredno ili neposredno doprinijeli objavljivanju ovog djela.

Prof. dr. sc. Nils Paar
Pročelnik Fizičkog odsjeka
Prirodoslovno-matematičkog fakulteta
Sveučilišta u Zagrebu

IZVORNI ZNANSTVENI RADOVI

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AUTORSKO KAZALO

| | |
|---------------------|---|
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| Abel S | 548 |
| Abelev BI | 338, 339, 340, 341, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 467, 468, 469, 470, 471, 472, 473, 474 |
| Acha A | 494 |
| Achenbach P | 275, 400, 422, 450, 461, 501, 533, 534 |
| Acosta L | 658, 673 |
| Adam D | 122 |
| Adams J | 157, 158, 159, 160, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 416, 417, 418, 419, 540 |
| Adelman-McCarthy JK | 156, 207, 274, 352 |
| Adrich P | 444 |
| Afanasjev AV | 541 |
| Agić Ž | 583, 606, 715 |
| Agüeros MA | 156, 207, 274, 352, 388 |
| Ahmed M | <i>vidi Ahmed MW</i> |
| Ahmed MW | 70, 161, 575 |
| Ahmidouch A | 187, 405, 494 |
| Aine CJ | 33 |
| Ajiki M | 453 |
| Akimitsu J | 536 |
| Albino S | 548 |
| Algora A | 7, 31, 77, 90 |
| Allam SS | 156, 207, 274, 352 |

| | |
|---------------|---|
| Allgower C | 257, 397 |
| Alvarez CR | 7 |
| Alvarez MAG | 658 |
| Ambrozewicz P | 187 |
| Anderson KSJ | 207, 274, 352 |
| Anderson SF | 156, 207, 274, 352, 388 |
| Andreić Ž | 155, 681 |
| Androić D | 16, 30, 51, 61, 70, 161, 187, 405, 494, 575, 691, 699 |
| Andruh M | 242 |
| Angelescu T | 187, 405 |
| Angulo C | 658 |
| Annand JRM | 307, 668 |
| Annis J | 156, 207, 274, 352 |
| Antelo MA | 178, 307, 422, 668 |
| Antonietti M | 425, 443, 465 |
| Antunović Ž | 542, 543 |
| Antusch S | 548 |
| Arčon D | 431, 619 |
| Arenhovel H | 307 |
| Arganda E | 548 |
| Ariosa D | 452 |
| Arp H | 716 |
| Arteaga DP | 661 |

| | |
|-----------------|---|
| Asaturyan A | 494 |
| Asaturyan R | 187, 405, 494 |
| Atac A | 6 |
| Atwee T | 584, 706 |
| Aumann T | 444 |
| Aussel H | 453 |
| Avery S | 187, 405 |
| Aviani I | 194, 323 |
| Axiotis M | 95 |
| Ayerbe C | 178, 307, 400, 422, 450, 461, 501, 533, 534, 668 |
| Ayerbe Gayoso C | <i>vidi</i> Ayerbe C |
| Babić B | 734 |
| Babić D | 1, 110, 151, 221, 223, 288, 367, 420, 508, 563, 564, 678, 695 |
| Babić E | 5, 71, 100, 111, 130, 134, 203, 239, 261, 430, 439, 456, 460, 506, 527, 532, 535, 604, 613, 614, 633, 648, 655, 663, 664, 688, 700, 701, 720, 728, 731, 738 |
| Backenstoss G | 16, 30, 51, 61, 691, 699 |
| Bahcall NA | 156, 207, 274, 352 |
| Bahle J | 111 |
| Bajc B | 548 |
| Bajraktaraj N | 65 |
| Baker OK | 187, 405, 494 |
| Bakonyi I | 111 |
| Bakšić D | 523 |
| Balabanski DL | 401, 464, 645 |

| | |
|--------------|---|
| Balarin M | 306, 649 |
| Baldry IK | 156, 207, 274, 352 |
| Balković D | 729 |
| Ballutaud D | 516 |
| Banerjee S | 548 |
| Barber R | 575 |
| Barbero C | 2, 3, 72, 112, 702, 703 |
| Bardek V | 113 |
| Barentine JC | 352 |
| Barišić N | 452, 676 |
| Barišić OS | 353, 475, 724 |
| Barišić S | 42, 188, 189, 246, 336, 353, 446, 462, 475, 562, 601, 616, 620, 644, 665, 704, 724, 727 |
| Barneo P | 668 |
| Barnéoud D | 78 |
| Baro MD | 38, 560 |
| Bartal G | 289, 291, 294, 299, 329, 354, 382, 392, 441 |
| Barthélémy A | 368, 369, 436, 437, 476, 516 |
| Bartsch P | 4, 75, 114, 166, 307 |
| Basar I | 202, 254, 326, 396, 530, 545, 547, 603 |
| Basletić M | 27, 80, 115, 120, 126, 127, 147, 179, 184, 222, 368, 369, 377, 421, 436, 437, 458, 476, 516, 529, 535, 536, 549, 555, 556, 571, 577, 586, 595, 612, 669, 677, 734 |
| Basrak Z | 717 |
| Bastian S | 156, 207, 274 |
| Batistić I | 273, 370, 503, 733 |

| | |
|---------------|--|
| Baturin P | 494 |
| Baumann A | 275, 533 |
| Baumann D | 4, 75, 114, 162, 166, 178, 307, 400, 422, 461, 501, 534, 668 |
| Bayatian GL | 542 |
| Bazzacco D | 7, 95, 145, 199, 401, 464, 645 |
| Beauceron S | 424 |
| Bechgaard K | 549, 555, 556, 577 |
| Bečvář F | 650 |
| Bednarczyk P | 6, 401, 464, 645 |
| Behr G | 492, 518 |
| Beilfuss ML | 394 |
| Ben Youssef J | 79, 175, 609 |
| Benmokhtar F | 494 |
| Bennington S | 590 |
| Bensafa IK | 422, 501 |
| Bentner J | 221, 223, 288, 420 |
| Bergenwall B | 257, 397 |
| Berger H | 308, 452 |
| Berlind A | 156, 207, 274, 352 |
| Bermanec V | 32, 101, 267, 312, 378, 643 |
| Bermuth J | 4, 75, 114, 162, 166, 307, 668 |
| Bernardi M | 156, 207, 274, 352 |
| Bernauer J | 400, 450, 461, 501, 533, 534, 668 |
| Berner D | 273 |

| | |
|-----------------|---|
| Bernstein AM | 400, 461, 533, 534 |
| Bernstorff S | 618, 653, 660 |
| Bertović I | 70, 161, 187, 405 |
| Best E | 33 |
| Best PN | 388 |
| Bibes M | 368, 369, 436, 437, 476, 669 |
| Biggio C | 548 |
| Bigi I | 548 |
| Bijelić M | 298, 636 |
| Bilalbegović G | 82, 423, 477 |
| Biliškov N | 155, 681 |
| Bilušić A | 131, 572, 590, 591 |
| Biljaković K | 330 |
| Bistrović B | 43, 44, 538 |
| Biškup N | 677 |
| Bizzeti PG | 77, 90, 145, 199 |
| Bizzeti-Sona AM | 145, 199 |
| Bjeliš A | 42, 45, 109, 258, 355, 478, 505, 550, 562, 583, 588, 605, 606, 617, 632, 675, 679, 715 |
| Bjoraker J | 70, 161 |
| Blagus S | 673 |
| Bland LC | 257 |
| Blanke M | 548 |
| Blanton MR | 156, 207, 274, 352, 388 |
| Blaschke D | 495, 496 |

| | |
|-----------------|--|
| Blasi N | 95, 145, 199 |
| Blažina Ž | 102 |
| Blok HP | 668 |
| Blomgren J | 257, 397 |
| Blythe N | 156 |
| Bochanski JJ | 156, 207, 274 |
| Bogovac M | 673 |
| Bohinc K | 4, 75, 114 |
| Böhm R | 4, 75, 114, 162, 166, 178, 275, 307, 400, 422, 450, 461, 501, 533, 534, 668 |
| Boillat B | 275 |
| Bokulić T | 317, 327, 646 |
| Boldeman J | 71 |
| Bonačić Lošić Z | 355, 478 |
| Bonivento W | 548 |
| Bonora L | 224, 290, 479, 480 |
| Bonsignori G | 7, 77 |
| Boone WJ | 394 |
| Boretzky K | 444 |
| Boroski WN | 156, 207, 274, 352 |
| Bosnar D | 4, 16, 30, 51, 61, 75, 114, 162, 166, 178, 275, 307, 400, 422, 450, 461, 501, 533, 534, 575, 651, 652, 656, 668, 691, 699, 721 |
| Bosnar S | 651, 652, 656 |
| Bosted P | 494 |
| Boston AJ | 8, 104 |

| | |
|---------------|---|
| Bottino C | 639 |
| Botto T | 400, 461, 533, 534 |
| Boulenc P | 174, 610 |
| Boulle O | 295 |
| Bouzehouane K | 368, 369, 436, 437, 476, 516, 669 |
| Branco GC | 548 |
| Brandolini F | 7, 77, 90 |
| Brant S | 6, 7, 8, 31, 53, 77, 78, 90, 95, 104, 145, 154, 199, 206, 225, 226, 227, 315, 356, 401, 464, 481, 482, 645, 647 |
| Breuer H | 30, 187, 405 |
| Brewington H | 156, 274, 352 |
| Brewington HJ | <i>vidi</i> Brewington H |
| Briggs JW | 156, 207, 274 |
| Brigljević V | 424, 542, 543 |
| Brinchmann J | 352, 388, 399 |
| Brinkmann J | 123, 124, 156, 207, 274, 352, 399 |
| Briscoe W | 575 |
| Bрниčević N | 372, 442, 504 |
| Broto JM | 436 |
| Brunner RJ | 156, 207, 274, 352, 398 |
| Bryman D | 548 |
| Büchner B | 492, 518 |
| Bucurescu D | 8, 104 |
| Budanec M | 243 |
| Budavari T | 156, 207, 274, 352 |

| | |
|-------------|--|
| Buha J | 425, 426 |
| Buljan H | 56, 73, 116, 117, 118, 150, 163, 164, 165, 228, 229, 263, 289, 291, 292, 294, 299, 329, 354, 357, 358, 382, 392, 427, 441, 457, 483, 493, 502, 514 |
| Buljan M | 484, 636 |
| Buras AJ | 548 |
| Burki G | 391, 631 |
| Burtin E | 422, 501 |
| Calibbi L | 548 |
| Camera F | 401, 464 |
| Cao LG | 98, 133 |
| Cao MH | 465 |
| Capak P | 453 |
| Car T | 5, 176, 293 |
| Carasco C | 162, 166, 275 |
| Cardwell DA | 678 |
| Carey LN | 156, 207, 274, 352 |
| Carilli C | 453 |
| Carliles S | 207 |
| Carlini R | 187, 405, 494 |
| Carmon T | 164, 263, 291, 294 |
| Carniato S | 499 |
| Carr MA | 156, 352 |
| Carretero C | 436, 476, 516 |
| Casarejos E | 658 |

| | |
|--------------------|------------------------------|
| Castander FJ | 156, 207, 274, 352 |
| Căta-Danil G | 8, 104 |
| Ceccucci A | 548 |
| Cederkäll J | 6 |
| Cevc P | 619 |
| Cha J | 187, 405 |
| Chakalov RA | 376 |
| Chankowski P | 548 |
| Charlot S | 399 |
| Chatrchyan S | 543 |
| Chen CK | 1 |
| Chen X | 494 |
| Chernev B | 334 |
| Chessa A | 62, 96 |
| Cheymol B | 450 |
| Chiasera A | 440 |
| Chickos JS | 531 |
| Chiu K | 156 |
| Choi EM | 169, 607 |
| Chrien RE | 161 |
| Chrien R | 70, 187, 405, 575 |
| Christodoulides DN | 163, 165, 228, 229, 291, 294 |
| Christopoulou A | 400, 461, 533, 534 |
| Christy M | 187, 405, 494 |

| | |
|---------------|--|
| Cimatti A | 453 |
| Claret A | 319 |
| Clawiter N | 4 |
| Cloëtta D | 452 |
| Cohen O | 228, 289, 291, 294, 299, 329, 354, 358 |
| Cole L | 187, 405, 494 |
| Colliex C | 369, 516 |
| Collinge MJ | 156 |
| Collings EW | 100 |
| Colò G | 544 |
| Connolly AJ | 156, 207, 274, 352 |
| Contour JP | 368, 369, 437 |
| Cooper JR | 1, 376, 563, 564, 678, 688 |
| Copie O | 476 |
| Cortina-Gil D | 444 |
| Covey KR | 156, 274 |
| Cros V | 79, 122, 174, 175, 295, 447, 609, 610 |
| Csabai I | 124, 156, 207, 274, 352, 399 |
| Cui X | 70, 161 |
| Curien D | 401, 464, 645 |
| Curro NJ | 492 |
| Cvitan M | 119, 167, 168, 230, 296, 428, 479, 480, 485, 667 |
| Czakó-Nagy I | 64 |
| Czarapata PC | 352 |

| | |
|-------------------|--|
| Čapeta D | 297, 359 |
| Čelan O | 649 |
| Čipčić Paljetak H | 390, 657 |
| Čop A | 523 |
| Ćurković L | 637 |
| Dalal NS | 619 |
| Dalcanton JJ | 156, 274, 352 |
| Dale D | 400, 461, 533, 534 |
| Danagoulian S | 187, 405, 494 |
| Dananić V | 45, 570, 675, 679 |
| Daniel A | 494 |
| Dankó I | 6 |
| Davidson S | 548 |
| De Acuna D | 7 |
| de Angelis G | 6, 7, 77, 90, 95, 145, 199, 401, 464, 481, 645 |
| De Grave E | 662 |
| de Haas E | 352 |
| de Lima AP | 656 |
| de Monchenault GH | 424 |
| De Poli M | 6, 7, 77, 90 |
| de Séréville N | 658 |
| de Vries H | 668 |
| de Vyver RV | 501 |
| Deandrea A | 548 |

| | |
|-----------------|---|
| Defay X | 422, 501 |
| Dehnhard D | 70, 161, 187, 405, 575 |
| Della Vedova F | 464 |
| DeMille DP | 548 |
| Deppisch F | 548 |
| Deranlot C | 436, 447 |
| Derber S | 4, 75 |
| Desfonds P | 669 |
| Desnica UV | 74, 484, 636 |
| Despoja V | 360, 361, 383, 429, 486, 725 |
| Devos I | 516 |
| Dewald A | 77, 90, 401, 464, 645 |
| Dhalle M | 430 |
| Dharmawardane V | 494 |
| D'Hose N | 422, 501 |
| Di Pietro A | 658 |
| Diaz MA | 548 |
| Dieterich S | 75 |
| Ding M | 4, 75, 114, 162, 166, 178, 275, 307, 400, 422, 461, 501, 533, 534, 668 |
| Distler M | 4, 75, 114, 162, 166, 178, 275, 307, 400, 422, 450, 461, 501, 533, 534, 668 |
| Döbbeling H | 51 |
| Dobon JV | 464 |
| Dodelson S | 156 |
| Doi M | 156, 207, 274, 352 |

| | |
|-------------------|--|
| Dombrádi Zs | 6, 31 |
| Dominis D | 623 |
| Dominis Prester P | 428, 485, 667 |
| Dönau F | 464 |
| Dong F | 156, 207, 274, 352 |
| Dooling T | 16, 30, 51, 61, 691, 699 |
| Dóra B | 120, 184, 586 |
| Doria L | 400, 422, 450, 461, 501, 533, 534 |
| Doskow J | 257 |
| Dou SX | 71, 100, 130, 134, 239, 430, 439, 506, 532, 613, 614, 648, 655, 688, 700, 701 |
| Dragčević Đ | 22, 23, 136, 190, 318, 454 |
| Drechsel D | 114 |
| Dressel M | 179, 377, 536, 595, 612 |
| Drobac Đ | 130, 193, 308, 701 |
| Dubček P | 451, 618, 653, 660 |
| Dulčić A | 91, 94, 97, 121, 147, 169, 198, 256, 371, 458, 518, 529, 607, 654, 659, 676, 734 |
| Duling B | 548 |
| Dumont Y | 669 |
| Duplančić G | 573 |
| Duplâtre G | 656 |
| Durajlija Žinić S | 254, 326 |
| Dželalija M | 542, 543 |
| Đerđ I | 105, 298, 362, 365, 366, 404, 425, 426, 431, 432, 440, 443, 451, 465, 484, 489, 490, 515, 593, 624, 636, 653, 660, 714, 735 |

| | |
|---------------|----------------------------------|
| Derek V | 649 |
| Durek D | 565, 574, 608 |
| Ebbes A | 4 |
| Eeg JO | 46, 170, 363, 487, 680, 705 |
| Efremidis NK | 163, 228, 299 |
| Egiyan K | 494 |
| Eisenstein D | <i>vidi</i> Eisenstein DJ |
| Eisenstein DJ | 156, 207, 264, 274, 352 |
| Elaasar M | 187, 405, 494 |
| Ellid MS | 171 |
| Ellis RS | 453 |
| Elsner D | 114, 307 |
| Elze TW | 444 |
| Emling H | 444 |
| Empl A | 70, 161, 187, 405, 575 |
| Endres F | 443 |
| Engelsfeld T | 488 |
| Ent R | 187, 405, 494 |
| Evans ML | 156, 207, 274, 352 |
| Ewald I | 4, 75, 114 |
| Fahlander C | 6, 7, 77, 90 |
| Faini G | 79, 122, 174, 175, 447, 609, 610 |
| Fajfer S | 47 |
| Fallot M | 444 |

| | |
|------------------------|--|
| Fan XH | 124, 156, 207, 264, 274, 352 |
| Farnea E | 7 |
| Farrants GW | 39 |
| Fauster T | 493 |
| Fazekas P | 452 |
| Felcini M | 548 |
| Feldman PD | 156 |
| Felner I | 64, 201 |
| Fenker H | 187, 405, 494 |
| Ferenček D | 424, 542 |
| Ferrari M | 440 |
| Ferreira Marquese MF | 656 |
| Fert A | 79, 122, 174, 175, 368, 369, 436, 437, 447, 609, 610 |
| Fetscher W | 548 |
| Ficnar A | 485, 667 |
| Figuera P | 658 |
| Filipović-Vinceković N | 36 |
| Finelli P | 67, 140, 172, 231, 364, 433, 434, 622 |
| Finkbeiner D | <i>vidi</i> Finkbeiner DP |
| Finkbeiner DP | 156, 207, 274, 352, 388, 398 |
| Fisichella M | 658 |
| Fitzler A | 401, 464, 645 |
| Fleischer JW | 228, 289, 291, 294, 299, 329, 354, 358, 392 |
| Flukiger R | 430 |

| | |
|---------------|--|
| Flynn ER | 33 |
| Foin C | 78 |
| Foltescu D | 6 |
| Fonvieille H | 422, 450, 501 |
| Forró L | 452 |
| Forti F | 548 |
| Fournel R | 447 |
| Francetić N | 555 |
| Franklin G | 575 |
| Frauendorf S | 401, 464, 645 |
| Freedman B | 299 |
| Freer M | 658 |
| Freyhammer LM | 300 |
| Friedman SD | 156, 207, 274, 352 |
| Friedrich J | 4, 75, 114, 162, 166, 178, 275, 307, 400, 422, 450, 461, 501, 533, 534, 668 |
| Friedrich JM | 4, 75, 114, 162, 166, 422, 501 |
| Frieman JA | 156, 207, 274, 352 |
| Friščić T | 587, 690 |
| Fujii Y | 187, 405, 494 |
| Fukugita M | 124, 156, 207, 274, 352, 399 |
| Fukuyama T | 232, 301, 302, 303, 304, 546, 625 |
| Furić K | 76, 137, 138, 192, 305, 365, 366, 440, 490, 649, 730 |
| Furić M | 16, 30, 51, 61, 70, 161, 187, 405, 494, 575, 683, 691, 722 |
| Fusil S | 476, 516 |

| | |
|---------------|--|
| Gaćeša M | 388, 399 |
| Gadea A | 7, 77, 90, 401, 464, 645 |
| Gajović A | 76, 137, 138, 192, 305, 365, 366, 489, 490, 510, 515, 653, 730 |
| Gal RR | 156, 207 |
| Galindo E | 77, 90 |
| Gallet JJ | 499 |
| Gamulin O | 74, 306, 327, 484, 552, 649, 737 |
| Gan L | 187, 405, 494 |
| Gandini A | 134 |
| Ganjour S | 424 |
| Garaj S | 155, 681 |
| Garilli B | 453 |
| Garnweitner G | 432 |
| Garrow K | 187, 405 |
| Gasenzer T | 483, 502 |
| Gaskell D | 494 |
| Gasparian A | 187, 405, 494 |
| Geissel H | 444 |
| Genevey J | 78 |
| George JM | 79, 175, 609 |
| Gerald J | 70, 161, 575 |
| Ghosh DK | 548 |
| Giavalisco M | 453 |
| Gibson EF | 494 |

| | |
|---------------|--|
| Giester G | 442, 504 |
| Giffels M | 548 |
| Gill R | 70, 161, 575 |
| Gill RL | <i>vidi</i> Gill R |
| Gillespie B | 156, 207, 274, 352 |
| Gilman R | 75 |
| Giorgi MA | 548 |
| Giudice G | 548 |
| Gizon A | 8, 78, 104 |
| Gizon J | 8, 78, 104 |
| Glashausser C | 75 |
| Glazebrook K | 156, 207, 274, 352 |
| Glazier DI | 307, 668 |
| Glöckle W | 162, 166, 275 |
| Glunčić M | 326, 396, 530, 545, 547, 603 |
| Godinović N | 542, 543 |
| Godlewski M | 669 |
| Golak J | 162, 166, 275 |
| Gonçalves RR | 440 |
| Gonzalez CF | 156 |
| Gordo PM | 656 |
| Gorska M | 77, 90 |
| Gotić M | 48, 173, 272, 435, 440, 491, 552, 553, 626 |
| Goudzovskij E | 548 |

| | |
|-------------|--|
| Goussev Y | 275 |
| Grabmayr P | 275, 668 |
| Gracin D | 489, 653 |
| Gradečak S | 131, 155, 572, 590, 591, 681 |
| Grafe H-J | 492 |
| Gram PAM | 16, 30, 51, 61, 691, 699 |
| Grawe H | 6, 77, 90 |
| Gray J | 156, 207, 274, 352 |
| Grbac N | 155, 681 |
| Grbić MS | 371, 518, 654, 659 |
| Grebel EK | 156, 207, 274, 352 |
| Gregory NK | 16, 30, 51, 61, 691, 699 |
| Grodnicki L | 156 |
| Grollier J | 79, 122, 174, 175, 295, 447, 609, 610 |
| Grosse I | 146, 330, 526 |
| Grozinger S | 114 |
| Grubač Z | 384, 451 |
| Gržeta B | 19, 34, 185, 557, 692 |
| Gueye P | 187, 405, 494 |
| Gulyás J | 31 |
| Gumhalter B | 270, 493 |
| Gunn JE | 123, 124, 156, 207, 264, 274, 352, 388, 398, 399 |
| Gurbani VK | 156, 207, 274, 352 |
| Hajster S | 692 |

| | |
|------------------|--|
| Halkyard R | 494 |
| Hall PB | 156, 207, 274, 352 |
| Hall P | 398 |
| Hamabe M | 207, 274 |
| Hamann-Borrero J | 492 |
| Hamzić A | 27, 79, 80, 122, 147, 174, 175, 179, 222, 295, 368, 369, 377, 436, 437, 447, 458, 529, 535, 536, 549, 555, 556, 577, 595, 609, 610, 612, 677 |
| Han T | 548 |
| Hannachi F | 78 |
| Hannoyer B | 65 |
| Hanžek B | 692 |
| Hao L | 156 |
| Harbeck D | 156, 274 |
| Harris FH | 156, 207, 274, 352 |
| Harris H | <i>vidi</i> Harris HC |
| Harris HC | 156, 207, 264, 274 |
| Harris PG | 548 |
| Harvanek M | 156, 207, 274, 352 |
| Harvey M | 187, 405 |
| Hasegawa R | 111 |
| Hashimoto O | 187, 405, 494, 575 |
| Hashimoto T | 500 |
| Hauger M | 75, 162, 166 |
| Hausmann M | 77, 90 |

| | |
|-----------------|------------------------------|
| Hawley SL | 156, 264, 274, 352 |
| Hayes J | 274, 352 |
| Heckman TM | 156, 207, 274, 399 |
| Hedicke S | 114, 307 |
| Hehl T | 668 |
| Heil W | 162, 166, 275 |
| Heim J | 668 |
| Hellmann I | 518 |
| Hellstroem M | 444 |
| Helmboldt JF | 156 |
| Helzel A | 367, 508 |
| Henč-Bartolić V | 233, 584, 637, 706 |
| Hendry JS | 156, 207, 274, 352 |
| Hennessy GS | 124, 156, 207, 274, 352 |
| Hensberge H | 300, 328, 707 |
| Herak M | 308 |
| Herranz G | 368, 369, 436, 437, 476, 516 |
| Herrero MJ | 548 |
| Hess C | 492, 518 |
| Hesselink WHA | 668 |
| Hindsley RB | 156, 207, 274, 352 |
| Hinton W | 187, 405 |
| Hirata CM | 352 |
| Hisano J | 548 |

| | |
|-------------|---|
| Hobson PR | 424 |
| Höchst H | 452 |
| Hodby JW | 1 |
| Hoffart A | 16, 30, 51, 61, 691, 699 |
| Hogan CJ | 207, 274, 352 |
| Hogg DW | 156, 207, 274, 352 |
| Holmgren DE | 641 |
| Holmgren DJ | 156, 207, 274, 352 |
| Holt RJ | 548 |
| Holtzman JA | 156, 274, 352 |
| Homer L | 156 |
| Honda D | 494 |
| Honzátko J | 650 |
| Horn T | 494 |
| Horvat D | 72, 112, 309, 696, 702, 703, 718 |
| Horvat J | 100, 134 |
| Horvatić D | 47, 309, 330, 438, 495, 496, 499, 526, 672, 682, 696, 740 |
| Horvatić V | 497, 498 |
| Hossbach T | 257, 397 |
| Houili H | 370 |
| Hovmöller S | 39 |
| Hu B | 187, 405, 494 |
| Hu S | 494 |
| Hu Y-S | 443 |

| | |
|---------------|---|
| Hua J | 575 |
| Huckvale BJ | 424 |
| Hügli A | 275 |
| Hui L | 156 |
| Huitu K | 548 |
| Hungerford E | 187, 405, 575, 683 |
| Hungerford EV | 70, 161, 494, 722 |
| Husnjak O | 239, 430, 439, 532, 648, 655 |
| Ibarra A | 548 |
| Ichikawa SI | 156, 207, 274, 352 |
| Ichikawa T | 156, 207, 274 |
| Igonkina O | 548 |
| Ilakovac A | 9, 232, 301, 302, 303, 304, 380, 499, 539, 546, 548, 551, 573, 594, 625, 684, 741 |
| Ilakovac K | 59, 60, 108, 243, 317, 327, 402, 403, 579, 580, 638, 640, 646, 741 |
| Ilakovac V | 499 |
| Ilijć S | 264, 300, 399, 707 |
| Ilmoniemäi RJ | 271 |
| Imazato J | 548 |
| Imhoff D | 516 |
| Ingram CHQ | 16, 30, 51, 61, 691, 699 |
| Inkmann JP | 156 |
| Irca SS | 450 |
| Ishiyama H | 500 |

| | |
|--------------|--|
| Isidori G | 548 |
| Islam RS | 376 |
| Ispiryan M | 494 |
| Itagaki N | 500 |
| Ito M | 500 |
| Ivanda M | 48, 74, 76, 148, 173, 272, 306, 318, 331, 440, 484, 552, 553, 626, 649 |
| Ivanković H | 378 |
| Ivanov PC | 62, 63, 96, 330, 576, 672 |
| Ivezić Ž | 123, 124, 156, 207, 264, 274, 352, 388, 398, 399 |
| Ivkov J | 5, 176, 234, 293, 618 |
| Jablan M | 427, 441 |
| Jackson C | 187, 405 |
| Jacobs WW | 257, 397 |
| Jacquet E | 368, 369, 436, 437, 476, 516 |
| Jadhav KM | 459 |
| Jaffres H | 79, 175, 369, 437, 609 |
| Jagličić Z | 431 |
| Jagoda AS | 388 |
| Jakšić M | 484 |
| Janković L | 566 |
| Jans E | 668 |
| Janssens P | 422, 450, 501 |
| Janjušević D | 371, 654, 659 |
| Jennewein P | 4, 75, 114, 162, 166, 178, 275, 307 |

| | |
|---------------|-------------------------|
| Jerbić-Zorc G | 243 |
| Jerčinović M | 506, 532 |
| Jerrestam D | 6 |
| Jester S | 156, 207, 274, 352 |
| Jestin Y | 440 |
| Joaquim FR | 548 |
| Johansson C | 257, 397 |
| Johnson A | 6 |
| Johnston DE | 156, 207, 274, 352, 398 |
| Johnston K | 187, 405, 494, 575 |
| Jokić M | 380 |
| Jomard F | 516, 669 |
| Jones KL | 444 |
| Jones M | 494 |
| Jonke L | 113 |
| Jordan B | 156 |
| Jordan WP | 156 |
| Jorgensen AM | 156, 207, 274, 352 |
| Joss DT | 8, 104 |
| Jourdan J | 75, 162, 166, 275 |
| Jover Mañas G | 178, 275, 307, 422, 668 |
| Judaš N | 587, 690 |
| Juengst H | 70, 161, 187, 405, 575 |
| Jukić D | 502 |

| | |
|----------------|--|
| Jung CU | 121 |
| Jungclaus A | 77, 90 |
| Juraić K | 489, 653 |
| Juričić M | 29 |
| Jurić I | 503 |
| Jurić M | 123, 124, 156, 274, 352, 372, 388, 442, 504, 522 |
| Juutinen S | 6 |
| Kadastik M | 548 |
| Kadigrobov AM | 505 |
| Kadija K | 542, 543 |
| Kahrau M | 4, 114 |
| Kaiser N | 172, 231, 310, 364, 433, 434 |
| Kaitner B | 504 |
| Kajcsos Zs | 651, 652, 656 |
| Kajiyama Y | 548 |
| Kalantarians N | 494 |
| Kalinovsky Y | 495 |
| Kalish R | 484, 636 |
| Kamada H | 162, 166, 275 |
| Kamalov SS | 114 |
| Kamnev AA | 567 |
| Kaneta M | 494 |
| Kang WN | 169, 607 |
| Kaper H | 443 |

| | |
|-----------------|--|
| Karabarbounis A | 400, 461, 533, 534 |
| Karoji H | 453 |
| Kartsovník MV | 120, 184, 571, 586 |
| Kast D | 77, 90 |
| Kato F | 494 |
| Kato S | 494 |
| Kauffmann G | 156, 399 |
| Kawama D | 494 |
| Kaysser WA | 267 |
| Kekez D | 10, 49, 81, 125, 311, 373, 495, 538, 627, 685, 697, 723, 726 |
| Keller N | 669 |
| Kelly JJ | 75 |
| Kent SM | 156, 207, 274, 352 |
| Keppel C | 187, 405, 494 |
| Kerek A | 6 |
| Keutgen T | 658 |
| Khalladi A | 560 |
| Khan E | 544 |
| Kiefer W | 440 |
| Kikuchi T | 232, 301, 302, 303, 304, 546, 625 |
| Kim H-J | 169, 607 |
| Kim JH | 430, 506 |
| Kinashi T | 257 |
| King SF | 548 |

| | |
|----------------|---|
| Kirch K | 548 |
| Kitamura N | 131, 590 |
| Kitzbichler MG | 453 |
| Klabučar D | 10, 11, 43, 44, 49, 81, 125, 177, 311, 373, 438, 495, 496, 507, 538, 568, 627, 685, 686, 697, 723, 726, 740 |
| Klamra W | 6 |
| Klechneva T | 275 |
| Klein A | 16, 30, 51, 61, 162, 166, 691, 699 |
| Klein F | 114, 307 |
| Klein FH | 307 |
| Kleinman SJ | 156, 207, 274, 352 |
| Klimkiewicz A | 444 |
| Klingeler R | 492, 518 |
| Klipa N | 82 |
| Klug J | 257, 397 |
| Klyachko AV | 257, 397 |
| Knapp GR | 123, 124, 156, 207, 264, 274, 352, 388, 398, 399 |
| Kniazev AY | 156, 207, 274, 352 |
| Koch K | 16, 30, 51, 61, 691, 699 |
| Koda J | 453 |
| Koekemoer A | 453 |
| Kohl M | 4, 75, 162, 166, 178, 307, 422, 668 |
| Koehler J | <i>vidi</i> Köhler J |
| Köhler A | 518 |
| Köhler J | 16, 30, 51, 61, 691, 699 |

| | |
|----------------|---|
| Kokanović I | 12, 83, 235, 236, 237, 367, 374, 375, 376, 508, 554, 569, 611, 687, 708, 736 |
| Kolanović M | 9, 50, 684 |
| Kolev S | 251 |
| Kollar J | 111 |
| Komiyama Y | 453 |
| Kondrat A | 518 |
| Korin-Hamzić B | 115, 120, 126, 127, 179, 184, 222, 377, 421, 536, 549, 555, 556, 571, 577, 586, 595, 612, 677 |
| Kosanović C | 312, 378, 509, 510, 651, 652, 656 |
| Kotliński B | 16, 30, 51, 61, 691, 699 |
| Koubsky P | 641 |
| Kovačević E | 233, 584, 706 |
| Kovačić D | 155, 681 |
| Kownacki J | 6 |
| Kozlov MG | 548 |
| Kozlov A | 4, 75 |
| Krajinović S | 653 |
| Krämer S | 97, 121, 147, 458 |
| Kratz JV | 444 |
| Kravtsov VC | 242 |
| Krawczyk M | 548 |
| Krehula S | 128, 191, 247, 248, 313, 379 |
| Kress T | 548 |
| Krezhov K | 251 |

| | |
|--------------|---|
| Krmpotić F | 2, 3, 72, 112, 596, 702, 703 |
| Krödel M | 16, 30, 51, 61, 691, 699 |
| Kroll T | 95 |
| Kron RG | 156, 207, 274, 352 |
| Krsnik R | 394 |
| Krstić V | 6, 31, 90, 145, 390, 657 |
| Krtička M | 650 |
| Krumes D | 32, 101, 102 |
| Krusche B | 162, 275 |
| Krygier KW | 4, 75, 114, 162, 166, 275, 307 |
| Kzesinski J | 156, 207, 274, 352 |
| Kudrnovski D | 101 |
| Kukk E | 499 |
| Kulessa R | 444 |
| Kumakura H | 506 |
| Kumbartzki G | 75 |
| Kumerički K | 11, 46, 170, 177, 180, 363, 445, 487, 511, 512, 568, 597, 680, 686, 705 |
| Kunszt PZ | 156, 207 |
| Kunze HJ | 233, 584, 706 |
| Kuo TTS | 112 |
| Kupčić I | 52, 129, 181, 238, 446, 452, 513, 529, 704, 727 |
| Kuropatkin N | 156, 207, 352 |
| Kuss M | 4 |

| | |
|---------------|---|
| Kušević I | 71, 100, 130, 134, 239, 439, 554, 613, 614, 648, 655, 688, 700, 701, 728, 738 |
| Kuzmann E | 567 |
| Kveder M | 380 |
| Kyle G | 16, 30, 51, 61, 691, 699 |
| Lac J | 75 |
| Lacković D | 523 |
| Lacour D | 122 |
| Lalazissis GA | 13, 14, 15, 40, 41, 67, 68, 84, 85, 106, 107, 142, 240, 241, 252, 314, 455, 520, 541, 561, 585, 589, 598, 599, 622, 635 |
| Lamb DQ | 156, 207, 274, 352 |
| Lampeitl H | 156, 207, 274, 352 |
| Lan K | <i>vidi</i> Lan KJ |
| Lan KJ | 70, 161, 187, 405, 575 |
| Lang G | 492 |
| Lapikas L | 668 |
| Laribi S | 447 |
| Lasjaunias JC | 131, 572, 590, 591 |
| Latković M | 45, 675, 679 |
| Lattuada M | 658, 673 |
| Laubscher BE | 156 |
| Laveissiere G | 422, 501 |
| Lázár K | 652, 656 |
| Lazić P | 86 |
| Le Fèvre O | 453 |

| | |
|---------------|--------------------------------------|
| Le Gall H | 175, 609 |
| Lebedev O | 548 |
| Lee BC | 156, 207, 274, 352 |
| Lee E | 100 |
| Lee SI | 121, 169, 607 |
| Lee Y | 62, 63, 96, 576 |
| Legall H | 79 |
| Leger RF | 156, 207, 352 |
| Lehmann A | 16, 30, 51, 61, 691, 699 |
| Lelas K | 427 |
| Lenac Z | 17 |
| Lenzi S | 401, 464, 645 |
| Leontić B | 12, 83, 235, 554, 569, 611, 708, 736 |
| Leps N | 492 |
| Levi L | 514 |
| Lhersonneau G | 53, 225, 315 |
| Li AH | 100 |
| Li N | 156, 207 |
| Li Y | 7, 494 |
| Liang CF | 78 |
| Liang Y | 187, 405 |
| Ličina V | 515 |
| Lidz A | 156 |
| Lieb KP | 77, 90 |

| | |
|-----------------|----------------------------|
| Liesenfeld A | 4, 75, 114 |
| Likar A | 6 |
| Likhachev VP | 187, 405 |
| Lin H | 156, 207, 274, 352 |
| Lipkowski J | 242 |
| Lipoglavšek M | 6 |
| Liszkay L | 651, 652, 656 |
| Litvin LV | 367 |
| Litvinova E | 448, 661 |
| Liu HK | 100, 688 |
| Liu JH | 70, 161, 187, 405 |
| Livingston K | 307 |
| Llongo JG | 178, 275, 422, 668 |
| Lloyd M | 275, 422 |
| Lo W | 678 |
| Lo Bianco G | 95, 145, 199, 464 |
| Loh YS | 156, 207 |
| Lohonyai L | 651, 652, 656 |
| Long DC | 156, 207, 274, 352 |
| Lopac V | 18, 87, 132, 381, 570, 600 |
| Lopes de Gil C | 656 |
| Lopez-Diaz L | 447 |
| Lopez-Martens A | 78 |
| Loram JW | 564, 678 |

| | |
|------------------|--|
| Loveday J | 156, 207, 274, 352, 399 |
| Lu Y | 416 |
| Luck R | 111 |
| Lučić Lavčević M | 182, 183 |
| Lukatela J | 12, 83, 235, 554, 569, 611, 687, 708, 736 |
| Luketin I | 254 |
| Lunardi S | 7, 95, 145, 199, 401, 464, 645 |
| Luo W | 494 |
| Lupton RH | 123, 124, 156, 207, 264, 274, 352, 388, 398, 399 |
| Lusiani A | 548 |
| Ljubojević N | 29 |
| Ma E | 548 |
| Ma Z-Y | 88, 98, 133, 578 |
| Maccaferri C | 224, 290 |
| Maccagni D | 453 |
| MacGregor IJD | 307, 668 |
| Mack D | 187, 405, 494 |
| Mackay CK | 424 |
| Madalan AM | 242 |
| Maggio A | 658 |
| Maglica Z | 657 |
| Maier G | 316 |
| Maier J | 443 |
| Maitzen HM | 319 |

| | |
|----------------|--|
| Majer M | 243, 317, 327, 402, 403, 638, 646, 658, 673 |
| Major P | 651 |
| Makarević J | 380 |
| Makek M | 275, 307, 400, 422, 450, 461, 501, 533, 534, 721 |
| Mäkelä E | 6 |
| Maki K | 115, 120, 126, 127, 184, 222, 421, 586 |
| Malik T | 156, 207 |
| Maljković M | 24, 25, 136, 137, 138, 190, 192, 250 |
| Mandelbaum R | 352 |
| Manela O | 289, 291, 299, 354, 357, 382, 441, 514 |
| Mangano ML | 548 |
| Mannery E | 274 |
| Marasović K | 542, 543 |
| Marchiori G | 548 |
| Margaritondo G | 452 |
| Margaryan A | 187, 405, 494 |
| Marginean N | 95, 401, 464, 645 |
| Margon B | 156, 207, 274, 352 |
| Mariano A | 2, 3 |
| Marikyan G | 494 |
| Marinara D | 71, 134, 613, 614, 700 |
| Marinara DG | <i>vidi</i> Marinara D |
| Marion S | 7 |
| Marketin T | 320, 449, 524, 629, 674 |

| | |
|----------------------|---|
| Markowitz P | 187, 405 |
| Markushin V | 51 |
| Marohnić Ž | 130, 203, 701, 720 |
| Marroncle J | 422, 501 |
| Martel I | 658 |
| Martin I | 668 |
| Martinez E | 447 |
| Martínez T | 77, 90, 95 |
| Martinez-Delgado D | 274, 352 |
| Martoff J | 187 |
| Marušić L | 35, 89, 360, 361, 383, 429, 486, 689, 725 |
| Maruyama N | 494 |
| Masiero A | 548 |
| Masina I | 548 |
| Mateos AO | 16, 30, 51, 61, 691, 699 |
| Matia K | 96 |
| Matković-Čalogović D | 372 |
| Matsubara T | 207, 274, 352 |
| Matsuda K | 301 |
| Matsumura A | 494 |
| Mattarelli M | 440 |
| Maurice JL | 369, 476, 516 |
| Mayes B | 575 |
| McGehee PM | 156, 207, 264, 274, 352 |

| | |
|-------------------|---|
| McGeorge JC | 668 |
| McKay TA | 156, 207, 274, 352 |
| Medaković D | 19, 185, 639 |
| Medunić Z | 565, 574, 608, 618 |
| Mehring M | 91, 94, 198, 256 |
| Meiksin A | 156, 207, 274, 352 |
| Mejaški-Tonejc A | 590 |
| Mekterović D | 177, 740 |
| Mele S | 424 |
| Melić B | 11, 568, 686 |
| Meljanac S | 20, 21, 113, 135, 186, 232, 244, 245, 302, 303, 304, 385, 615, 625, 628 |
| Menard B | 274 |
| Menegazzo R | 95 |
| Merdinger JC | 78 |
| Merkel H | 4, 75, 114, 162, 166, 178, 275, 307, 400, 422, 450, 461, 501, 533, 534, 668 |
| Merle P | 4, 114, 162, 166, 178, 307, 422, 668 |
| Merodiiska T | 251 |
| Merunka D | 380 |
| Meštrović E | 587, 690 |
| Metikoš-Huković M | 384, 451 |
| Michaelian K | 16, 30, 51, 61, 691, 699 |
| Micheli C | 275 |
| Middleton D | 307, 668 |

| | |
|---------------------|--|
| Miknaitis GA | 156 |
| Milat O | 308 |
| Mileković T | 459 |
| Mileković M | 20, 21, 113, 135, 186, 244, 245, 385, 615, 628 |
| Milić D | 372 |
| Milin M | 500, 658, 673 |
| Milun M | 653 |
| Miljak M | 111, 308 |
| Miljanić Đ | 658, 673, 701 |
| Mimica P | 391, 623, 631 |
| Minami H | 564 |
| Mioković Ž | 709, 729 |
| Mitrović S | 452 |
| Mitsa V | 306 |
| Miyatake H | 500 |
| Miyazaki S | 453 |
| Miyoshi T | 187, 405, 494 |
| Mkrtchyan A | 494 |
| Mkrtchyan H | 187, 405, 494 |
| Mobasher B | 453 |
| Moguš- Milanković A | 515 |
| Möller O | 401, 464, 645 |
| Molnár B | 652 |
| Monstad K | 668 |

| | |
|---------------|---|
| Montagna M | 440 |
| Montambaux G | 550 |
| Montgomery LK | 612 |
| Moorthy BK | 156 |
| Moreau G | 548 |
| Mori T | 548 |
| Morović S | 424, 542, 543 |
| Morris CL | 70, 161 |
| Moschini F | 668 |
| Movre I | 600 |
| Movre M | 497 |
| Mrkonjić I | 18, 87, 132, 188, 189, 246, 381, 570, 600, 601, 616, 704 |
| Müller D | 445, 511, 512 |
| Müller GA | 77, 90 |
| Müller H | 120, 571 |
| Müller U | 4, 75, 114, 162, 166, 178, 275, 307, 400, 422, 450, 461, 501, 533, 534, 668 |
| Munn JA | 124, 156, 207, 274, 352, 398 |
| Munoz M | 295, 447 |
| Muntel M | 548 |
| Murayama T | 453 |
| Murayed YS | 171 |
| Murphy T | 156 |

| | |
|------------------|---|
| Musić S | 22, 23, 24, 25, 26, 34, 48, 54, 64, 65, 66, 103, 128, 136, 137, 138, 148, 149, 171, 173, 190, 191, 192, 201, 247, 248, 249, 250, 259, 260, 272, 305, 313, 318, 331, 332, 366, 379, 435, 440, 454, 491, 517, 552, 553, 558, 559, 567, 626, 649, 662, 730 |
| Muslimani ZH | 228 |
| Musumarra A | 673 |
| Mužić A | 509 |
| Nadel-Turonski P | 257, 397 |
| Nagao T | 453 |
| Nagasawa M | 577 |
| Nakagawa I | 400, 461, 533, 534 |
| Nakajima R | 156, 207, 352 |
| Nakamura SN | 187, 405, 494 |
| Nakane T | 506 |
| Napoli DR | 7, 77, 90, 95, 199, 401, 464, 645 |
| Naqib SH | 376 |
| Narančić Z | 72, 112, 702, 703, 718 |
| Narayanan VK | 156 |
| Narduzzo A | 518 |
| Nash T | 156, 207, 274, 352 |
| Navasardyan T | 494 |
| Ndilimabaka H | 669 |
| Nebendahl B | 91, 94, 371 |
| Nedkov I | 251, 255 |
| Neilsen EH | 156, 207, 274, 352 |
| Neri N | 548 |

| | |
|---------------------|---|
| Nespolo M | 95, 145, 199 |
| Nesti F | 548 |
| Netopil M | 319 |
| Neuhausen R | 4, 75, 114, 162, 166, 178, 275, 307, 400, 461, 533, 534 |
| Newberg HJ | 156, 207, 274, 352 |
| Newman PR | 156, 207, 274, 352 |
| Ng AL | 672 |
| Nichol RC | 156, 207, 274, 352 |
| Nicinski T | 156, 207, 274, 352 |
| Niculescu G | 494 |
| Niculescu MI | 494 |
| Niederberger M | 425, 426, 431, 465 |
| Nielsen HB | 139 |
| Niemax K | 497, 498 |
| Nieto-Santisteban M | 156, 207, 274, 352 |
| Nikšić T | 140, 141, 142, 152, 153, 195, 204, 205, 252, 253, 310, 314, 320, 321, 322, 324, 386, 387, 389, 455, 519, 520, 521, 602, 621, 622, 629, 630, 635, 661, 666 |
| Nilsson A | 397 |
| Nilsson L | 257 |
| Nitta A | 156, 207, 274, 352 |
| Nociforo C | 444 |
| Nogga A | 162, 166, 275 |
| Nomura H | 494 |
| Nomura Ki | 26, 54, 558, 559 |

| | |
|---------------|--|
| Nonaka K | 494 |
| Norlin L-O | 6 |
| Normand C | 162, 166, 275 |
| North JM | 619 |
| Novaković B | 58 |
| Novosel N | 522 |
| Nowik I | 64, 66, 201, 249 |
| Nungesser L | 178, 275, 307, 400, 422, 450, 461, 501, 533, 534 |
| Nussbaumer T | 110, 151, 695 |
| Nyakó BM | 6, 8, 78, 104 |
| Nyberg J | 6 |
| Obrić M | 388, 399 |
| O'Brien NJ | 8 |
| Očko M | 193, 194, 266, 323, 333 |
| Odenkirchen M | 156 |
| O'Donnell J | 575 |
| O'Donnell JM | 70, 161 |
| Ogorelec Z | 27, 55, 80, 182, 183 |
| Oh A | 424 |
| Oh S | 506 |
| Ohtani A | 494 |
| Okada N | 232, 302, 303, 304 |
| Okamura S | 156, 207, 274, 352 |
| Okayasu Y | 494 |

| | |
|----------------|--|
| Olsson N | 257, 397 |
| O'Mullane W | 207, 274, 352 |
| Onderwater CJG | 548 |
| Orehovec Z | 249, 662 |
| Orlandi R | 464 |
| Ostojić R | 29 |
| Ostrick M | 307 |
| Ostriker JP | 156, 207 |
| Ott A | 275 |
| Otten E | 162, 166, 275 |
| Otto F | 367 |
| Ouahab L | 242 |
| Outa H | 575 |
| Owen R | 156, 207, 274, 352 |
| Paar D | 29, 94, 97, 121, 147, 169, 371, 492, 518, 523, 529, 607, 659, 676 |
| Paar N | 41, 58, 106, 107, 153, 195, 205, 253, 320, 324, 325, 389, 444, 524, 544, 547, 561, 598, 602, 621, 622, 629, 630, 661, 666, 670, 674 |
| Paar V | 6, 8, 29, 31, 53, 56, 57, 58, 73, 78, 92, 93, 104, 116, 117, 143, 144, 196, 197, 202, 254, 326, 396, 530, 545, 547, 603, 698, 710, 711 |
| Padmanabhan N | 156, 207, 274, 352 |
| Pajić D | 242, 255, 372, 442, 456, 459, 466, 504, 522, 587, 690 |
| Palacz M | 6 |
| Paleni A | 401 |
| Palit R | 444 |
| Pallua S | 9, 28, 50, 119, 139, 167, 168, 230, 296, 428, 480, 667, 684, 712 |

| | |
|--------------------|---|
| Paljević M | 565, 574, 608 |
| Pamela P | 494 |
| Pammolli F | 526 |
| Pan AV | 532 |
| Pan Q | 7 |
| Pansini F | 658 |
| Papanicolas CN | 400, 461, 533, 534 |
| Paradisi P | 548 |
| Paris P | 78 |
| Park JG | 193 |
| Park MS | 121 |
| Parpan F | 275 |
| Parry CM | 8, 104 |
| Pasquini B | 422, 501, 533 |
| Passek-Kumerički K | 445, 511, 512 |
| Pašić S | 59, 60, 243, 306, 317, 327, 402, 403, 579, 580, 638, 640, 646, 650, 719, 737 |
| Paul ES | 8, 104 |
| Pauls G | 274, 352 |
| Paunzen E | 319 |
| Pavan P | 7 |
| Pavin N | 57, 58, 92, 93, 143, 144, 196, 197, 254, 326, 381, 390, 396, 488, 547, 603, 657, 698, 710, 711 |
| Pavlovski K | 264, 300, 319, 328, 391, 399, 623, 631, 641, 671, 707, 710 |
| Pavuna D | 452 |

| | |
|----------------|---|
| Pejović P | 401, 464, 645 |
| Peligrad DN | 91, 94, 198, 256 |
| Peng JC | 70, 161 |
| Peoples J | 156, 207, 274, 352 |
| Pereira LG | 295 |
| Perez N | 494 |
| Pérez Benito R | 178, 275, 307, 422, 668 |
| Perfiliev YD | 567 |
| Perić B | 442, 504, 522 |
| Persson J | 6 |
| Petcov ST | 548 |
| Peterson T | 257, 397 |
| Petkov P | 401, 464, 645 |
| Petković T | 16, 30, 51, 61, 70, 161, 187, 405, 494, 575, 691, 699 |
| Petrache C | 7, 95, 145, 199, 401, 645 |
| Petrache CM | <i>vidi</i> Petrache C |
| Petroff F | 295 |
| Peusquens R | 77, 90 |
| Pezer R | 200, 326, 329, 354, 357, 392, 427, 457, 483, 502, 717 |
| Picariello M | 548 |
| Picek I | 11, 46, 170, 180, 363, 487, 525, 568, 597, 642, 680, 686, 705 |
| Piegsa A | 400, 461, 533, 534 |
| Pier JR | 124, 156, 207, 274, 352 |
| Pihko E | 271 |

| | |
|---------------|---|
| Pilas I | 396 |
| Pile P | 70, 161, 575 |
| Pindor B | 156 |
| Pinsky L | 575 |
| Pipić D | 637 |
| Planinić Ma | 393, 394 |
| Planinić Mi | 16, 30, 51, 61, 70, 157, 158, 159, 160, 161, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 257, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 397, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 424, 467, 468, 469, 470, 471, 472, 473, 474, 540, 542, 543, 575, 691, 699 |
| Planinić P | 372, 442, 504, 522 |
| Pochodzalla J | 178, 307, 400, 422, 450, 461, 501, 533, 534 |
| Podobnik B | 62, 63, 96, 146, 177, 330, 526, 576, 657, 672, 696 |
| Podolyak Zs | 31 |
| Poljak N | 338, 339, 340, 341, 342, 343, 344, 345, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 467, 468, 469, 470, 471, 472, 473, 474 |
| Pomp S | 257, 397 |
| Popčević P | 527 |
| Pope AC | 156, 207, 274, 352 |
| Popova E | 669 |
| Popović Da | 267, 643 |
| Popović S | 19, 22, 23, 24, 25, 26, 34, 36, 48, 54, 64, 65, 66, 103, 128, 136, 137, 138, 148, 149, 171, 173, 185, 190, 191, 192, 201, 203, 247, 248, 249, 250, 259, 260, 272, 305, 308, 313, 318, 331, 332, 379, 435, 454, 491, 517, 528, 553, 557, 558, 559, 567, 626, 639, 662, 692, 713, 730, 739 |
| Porretti V | 548 |

| | |
|-----------------|---|
| Poschenrieder A | 548 |
| Posedel D | 261, 604, 633, 738 |
| Pospelov M | 548 |
| Pospischil T | 4, 75, 114, 162, 166, 307, 668 |
| Postavaru O | 501 |
| Potokar M | 4, 114, 162, 166, 178, 275, 307, 400, 422, 450, 461, 501, 533, 534, 668 |
| Pourbaix D | 274, 352 |
| Požek M | 91, 94, 97, 121, 147, 169, 371, 458, 518, 529, 607, 654, 659, 676, 734 |
| Pramanik UD | 444 |
| Prepolec L | 673 |
| Prester M | 308 |
| Prester P | 9, 28, 50, 119, 139, 167, 168, 224, 230, 290, 395, 684, 712 |
| Prete G | 401 |
| Price D | 658 |
| Prodan A | 38, 560 |
| Pulanić R | 29 |
| Puljak I | 542, 543 |
| Qin MJ | 100 |
| Quinn B | 575 |
| Quinn T | <i>vidi</i> Quinn TR |
| Quinn TR | 123, 124, 156, 207, 274, 352 |
| Quintana B | 95 |
| Raddick MJ | 274 |

| | |
|-----------------|--|
| Radić D | 18, 87, 132, 258, 381, 505, 570, 588, 600, 605, 617, 632 |
| Radić N | 5, 176, 234, 293, 384, 451, 581, 618, 624, 660, 735 |
| Radolić V | 523 |
| Radovčić B | 525 |
| Radović IB | 484 |
| Radzhabov AE | 438, 496 |
| Rafikov RR | 156 |
| Raghavender AT | 459 |
| Raidal M | 548 |
| Rakoš K | 399 |
| Rakvin B | 380, 522, 619 |
| Ramsak N | 38, 560 |
| Ranchal R | 368, 369, 437 |
| Randeniya S | 494 |
| Rangacharyulu C | 178 |
| Ranken D | 33 |
| Ransome RD | 75 |
| Rao PV | 459 |
| Rapaport J | 257, 397 |
| Ravinder D | 459 |
| Raymond SN | 156 |
| Rebane L | 548 |
| Rebelo MN | 548 |
| Redwine RP | 16, 30, 51, 61, 691, 699 |

| | |
|--------------|---|
| Reinhold J | 187, 405, 494 |
| Reiter A | 307 |
| Richards GT | 156, 207, 274, 352 |
| Richmond MW | 156, 207, 274, 352 |
| Richter A | 178 |
| Riedel CM | 70, 161 |
| Righini GC | 440 |
| Rinckel T | 257, 397 |
| Ring P | 13, 14, 15, 40, 41, 67, 68, 69, 84, 85, 88, 98, 106, 107, 133, 140, 141, 142, 152, 153, 195, 204, 205, 240, 241, 252, 253, 314, 320, 321, 322, 324, 325, 386, 387, 389, 448, 449, 455, 520, 521, 524, 541, 561, 578, 585, 589, 598, 599, 602, 621, 622, 629, 630, 635, 661, 666, 670, 674 |
| Ristić D | 440 |
| Ristić M | 64, 65, 66, 148, 201, 249, 259, 260, 331, 332, 440, 567, 662 |
| Ristić R | 20, 456, 460, 535, 649, 663, 664, 720, 731 |
| Ritz A | 548 |
| Rivera R | 494 |
| Rix HW | 156, 207, 274 |
| Roberts L | 548 |
| Robledo LM | 15 |
| Roche J | 187, 405, 494 |
| Rockosi C | <i>vidi</i> Rockosi CM |
| Rockosi CM | 123, 124, 156, 207, 264, 274, 352, 388, 398 |
| Rodriguez VM | 494 |
| Rohe D | 4, 75, 162, 166, 275 |
| Rohlfing F | 367 |

| | |
|--------------|---|
| Romanino A | 548 |
| Roney JM | 548 |
| Rosandić M | 29, 92, 202, 254, 326, 396, 530, 545, 547, 603, 711 |
| Rosner G | 4, 75, 114, 307, 422, 668 |
| Rossi A | 548 |
| Rossi F | 440 |
| Roth HA | 6 |
| Rowntree D | 16, 30, 51, 61, 691, 699 |
| Rubčić A | 93, 143, 144, 531, 693, 710, 716 |
| Rubčić J | 93, 143, 144, 531, 693, 710, 716 |
| Rückl R | 548 |
| Rudersdorf D | 275 |
| Rusek A | 70, 161, 575 |
| Rusev G | 650 |
| Rustemović N | 29 |
| Ryckbosch D | 501 |
| Sabolek S | 203, 261, 527, 604, 633, 738 |
| Saguy C | 484 |
| Sahin E | 464 |
| Saint-Paul M | 131, 590 |
| Salit ML | 262, 337 |
| Saltarelli A | 95, 464 |
| Samardžija Z | 193 |

| | |
|--------------------|--|
| Samsarov A | 186, 244, 245, 385, 615, 628 |
| Sánchez Majos S | 422, 450, 501 |
| Sánchez-Benitez AM | 658 |
| Sanders DB | 453 |
| Sanner J | 307 |
| Sansonetti CJ | 262, 337 |
| Sarrao JL | 194, 323, 333 |
| Sarsour M | 187, 397, 405 |
| Sasaki SS | 453 |
| Sato Y | 187, 405, 494 |
| Sawada T | 54 |
| Sawafta R | 187, 405, 575 |
| Scadron MD | 49, 72, 81, 99, 627, 726 |
| Schäfer A | 445 |
| Schaye J | 156 |
| Schinnerer E | 453 |
| Schlegel D | 156, 207, 264, 274, 352, 388, 398, 399 |
| Schlegel DJ | <i>vidi</i> Schlegel D |
| Schlimme BS | 450, 501 |
| Schlögl R | 365, 366 |
| Schmieden H | 4, 75, 114, 162, 166, 307 |
| Schmiedeskamp J | 162, 166, 275 |
| Schneider DP | 124, 156, 207, 274, 352, 388, 398 |
| Schönenberger C | 110, 151, 695 |

| | |
|----------------|--|
| Schrieder G | 178 |
| Schroeder J | 156, 274, 352 |
| Schubart R | 6 |
| Schurz J | 316 |
| Schwartz T | 165, 228, 229, 263, 291, 299, 358, 514 |
| Scoville NZ | 453 |
| Scranton R | 156, 207, 274, 352 |
| Segev M | 118, 163, 164, 165, 228, 229, 263, 289, 291, 292, 294, 299, 329, 354, 357, 358, 382, 392, 441, 514 |
| Seimetz M | 75, 114, 162, 166, 178, 275, 307, 400, 422, 461, 501, 533, 534, 668 |
| Sekiguchi M | 156, 207, 274 |
| Sekovanić L | 491, 510 |
| Sel O | 404 |
| Seljak U | 156, 207, 352 |
| Semertzidis Y | 548 |
| Semple AT | 8, 104 |
| Senatore C | 430 |
| Senjanović G | 548 |
| Sergey G | 156, 207 |
| Serra N | 548 |
| Sesar B | 156, 207, 398 |
| Seweryniak D | 6 |
| Shcherbakov A | 532 |
| Shcherbakova O | 430, 532 |
| Sheldon E | 156, 207, 274, 352 |

| | |
|---------------|---|
| Shimasaku K | 156, 207, 274, 352 |
| Shindou T | 548 |
| Shioya Y | 453 |
| Shizuma T | 6 |
| Sick I | 75, 162, 166, 275 |
| Siegmund WA | 156, 207 |
| Silvestri NM | 156, 207, 264, 274 |
| Simon H | 444 |
| Simonov YA | 242 |
| Sinisgalli AJ | 156 |
| Sirko E | 156 |
| Sistemich K | 225 |
| Siverd R | <i>vidi</i> Siverd RJ |
| Siverd RJ | 388, 398 |
| Skeppstedt Ö | 6 |
| Skibiński R | 162, 166, 275 |
| Skoko Ž | 191, 192, 305, 379, 456, 528, 713, 730, 739 |
| Skukan N | 673 |
| Slapnik R | 19, 185 |
| Sletten G | 6 |
| Smarsly B | 404, 443 |
| Smarsly BM | <i>vidi</i> Smarsly B |
| Smette A | 300 |

| | |
|---------------|--|
| Smith G | 187, 405, 494 |
| Smith JA | 156, 207, 264, 274, 352 |
| Smolčić V | 156, 207, 264, 274, 352, 388, 399, 453 |
| Smolić I | 428, 480, 667 |
| Smontara A | 131, 572, 590, 591 |
| Snedden SA | 156, 207, 274, 352 |
| Sohler D | 6, 31, 104 |
| Soić N | 658, 673 |
| Soltanian S | 100, 239, 430, 439, 648, 655 |
| Soljačić M | 118, 163, 164, 165, 229 |
| Sona P | 77 |
| Sonder E | 74 |
| Søndergaard C | 452 |
| Song Y | 494 |
| Sorić I | 542, 543 |
| Southworth J | 641, 671 |
| Sparveris N | 400, 461, 533, 534 |
| Spitzenberg T | 422 |
| Spolaore P | 7, 95, 145 |
| Stanica N | 242 |
| Stanić D | 738 |
| Stanley HE | 62, 63, 96, 146, 330, 526, 576, 672 |
| Stave S | 275, 400, 461, 533, 534 |
| Stebbins A | 156, 207, 274 |

| | |
|---------------|---|
| Steinhardt C | 156, 388 |
| Steinhardt W | 398 |
| Stepanić J | 265 |
| Stepanyan S | 187, 405 |
| Stephenson EJ | 257, 397 |
| Sterken C | 300 |
| Stiliaris S | 400, 461, 533, 534 |
| Stinson G | 156 |
| Stoitsov M | 15 |
| Stojić M | 21, 135, 245, 628 |
| Stoughton C | 156, 207, 274, 352 |
| Strateva IV | 156 |
| Strauch S | 75 |
| Strauss MA | 156, 207, 264, 274, 352 |
| Strunk C | 110, 151, 221, 223, 288, 367, 420, 508, 695 |
| Stubičar M | 32, 76, 101, 102, 194, 233, 266, 267, 268, 312, 316, 323, 333, 334, 378, 460, 509, 510, 581, 584, 637, 643, 706 |
| Stubičar N | 32, 101, 102, 194, 266, 267, 268, 312, 323, 333, 334, 378, 510, 643 |
| Su DS | 365, 366, 432, 489, 515 |
| SubbaRao M | 156, 207, 274, 352 |
| Subotić B | 510, 651, 652, 656 |
| Sud DS | 490 |
| Sule A | 114, 307 |
| Sumihama M | 494 |
| Summerer K | 444 |

| | |
|--------------------|---|
| Sumption MD | 100 |
| Sunko DK | 86, 269, 270, 297, 335, 336, 359, 462, 566, 620, 644, 665, 694, 732 |
| Supek I | 575 |
| Supek S | 33, 271 |
| Sürgers C | 110, 221, 223, 288, 367, 420, 508 |
| Surinach S | 38, 560 |
| Surowka G | 444 |
| Sušac A | 271 |
| Sutter R | 70, 161, 405, 575 |
| Svilković D | 398 |
| Szalay AS | 156, 207, 274, 352 |
| Szapudi I | 156, 207, 274, 352 |
| Szilner S | 717 |
| Szkody P | 156, 207, 274, 352 |
| Szokoly GP | 207, 274 |
| Šarić A | 26, 54, 103, 149, 250, 517, 558 |
| Šćukanec-Špoljar M | 29 |
| Šestović D | 35 |
| Ševa T | 494 |
| Šiber A | 118, 150, 165, 493 |
| Šjaković-Vujičić N | 272 |
| Šimek Ž | 194, 323, 333 |
| Šimičević N | 16, 30, 51, 61, 187, 405, 494, 691, 699 |

| | |
|--------------|---|
| Širca S | 4, 162, 166, 275, 400, 422, 461, 501, 533, 534 |
| Škegro M | 29 |
| Šoufek M | 626 |
| Štefanić G | 34, 528, 559 |
| Šumanovac F | 488 |
| Šunjić M | 17, 35, 89, 265, 360, 361, 383, 429, 463, 486, 689, 725 |
| Šušak M | 261, 604, 633, 738 |
| Tabachnik S | 123, 124 |
| Tadevosyan V | 187, 405, 494 |
| Tadić D | 2, 3, 47, 72, 99, 112, 309, 596, 682, 696, 702, 703, 718 |
| Tafra E | 147, 179, 368, 369, 377, 436, 437, 458, 529, 535, 536, 595, 612 |
| Takahashi T | 187, 405, 494 |
| Takanishi Y | 548 |
| Tamajo E | 319, 623, 671 |
| Tamas G | 422, 501 |
| Tamura H | 494 |
| Tang L | 70, 161, 187, 405, 494, 575 |
| Tanida K | 187, 405 |
| Taniguchi Y | 453 |
| Tarantino C | 548 |
| Tasca L | 156 |
| Tegmark M | 156, 207, 274, 352 |
| Teixeira AM | 548 |
| Teodoro L | 207, 274 |

| | |
|------------------|--|
| Terrier C | 151, 695 |
| Testa G | 162, 166, 275 |
| Thakar AR | 156, 207, 274, 352 |
| Thiessen HA | 70, 161 |
| Tiator L | 114, 450 |
| Tiesler H | 77, 90 |
| Timár J | 8, 78, 104 |
| Tippawan U | 257, 397 |
| Tocilj Z | 327, 737 |
| Tokić B | 35 |
| Tomandl I | 650 |
| Tomašić N | 305, 312, 378, 489, 490, 509, 510, 515, 653 |
| Tomašić V | 36 |
| Tomić S | 421, 677 |
| Tonejc A | 5, 37, 39, 55, 74, 102, 105, 131, 176, 234, 236, 237, 268, 293, 366, 384, 484, 560, 565, 572, 574, 581, 590, 591, 592, 593, 608, 611, 618, 624, 714, 735 |
| Tonejc AM | 38, 39, 105, 131, 298, 362, 366, 440, 552, 560, 572, 591, 593, 624, 636, 660, 714, 735 |
| Tonev D | 401, 464, 481, 645 |
| Törmänen S | 6 |
| Torrente-Lujan E | 548 |
| Traverso P | 639 |
| Travis JC | 262, 337 |
| Tremonti C | 156, 207, 274, 388, 399 |
| Trezeciak R | 16, 30, 51, 61, 691, 699 |

| | |
|------------------|---|
| Tribiano S | 453 |
| Trinajstić N | 93 |
| Trojer R | 275 |
| Trojko R | 25, 103 |
| Tselyaev VI | 661 |
| Tucker DL | 156, 207, 274, 352 |
| Turković A | 298, 552 |
| Turzynski KJ | 548 |
| Tutiš E | 273, 370, 503, 733 |
| Tvaskis V | 494 |
| Udias JM | 75 |
| Ujević M | 523 |
| Ukai M | 187, 405 |
| Ullrich H | 16, 61, 691, 699 |
| Underwood TEJ | 548 |
| Untereiner G | 179, 595 |
| Uomoto A | 156, 207, 274, 352 |
| Uroić M | 243, 317, 327, 402, 403, 638, 646, 658, 673 |
| Uzzle A | 187, 405 |
| Vadla Č | 497, 498 |
| Van de Vyver R | 422 |
| van der Schaaf A | 548 |
| Van Giai N | 88, 98, 133, 578 |
| Van Hoorebeke L | 422, 501 |

| | |
|-----------------|------------------------------|
| Van Overloop A | 501 |
| Vanden Berk DE | 156, 207, 274, 352, 398 |
| Vandenberg J | 156, 207, 274, 352 |
| Vandenberghe RE | 255 |
| Vardi A | 292, 357 |
| Varga L | 656 |
| Vaures A | 122, 174, 609, 610 |
| Vdović N | 23 |
| Vedovato G | 7 |
| Vempati SK | 548 |
| Ventura A | 67, 95, 200, 226, 481 |
| Vertes A | 567 |
| Veža D | 262, 337, 497, 498, 709, 729 |
| Vigdor SE | 257, 397 |
| Vignote JR | 75 |
| Vila L | 447 |
| Vinković D | 155, 681 |
| Virosztek A | 120, 184, 586 |
| Vives O | 548 |
| Vogelej MS | 156, 207, 274, 352 |
| Voges W | 156, 207, 274, 352, 388 |
| Vogt NP | 156, 207, 274, 352 |
| Vraneša V | 298 |

| | |
|--------------|--|
| Vretenar D | 6, 7, 13, 14, 15, 40, 41, 67, 68, 69, 77, 84, 85, 88, 90, 95, 98, 106, 107, 133, 140, 141, 142, 145, 152, 153, 172, 195, 199, 200, 204, 205, 226, 231, 240, 241, 252, 253, 310, 314, 320, 321, 322, 324, 325, 364, 386, 387, 389, 433, 434, 444, 448, 449, 455, 520, 521, 524, 537, 541, 544, 561, 578, 582, 585, 589, 598, 599, 602, 621, 622, 629, 630, 634, 635, 661, 666, 670, 674 |
| Vucelić B | 29 |
| Vuković B | 108, 243, 317, 403, 638, 646 |
| Vulcan W | 187, 405, 494 |
| Wagner A | 4, 75, 114 |
| Wagner T | 371, 654, 659 |
| Walcher Th | 4, 75, 114, 162, 166, 178, 275, 307, 400, 422, 450, 461, 501, 533, 534, 668 |
| Walkowicz LM | 156, 207, 274, 352 |
| Waluś W | 444 |
| Wandelt A | 69, 88, 98, 133, 578 |
| Wang B | 494 |
| Wang FZ | 526 |
| Wang JL | 532 |
| Wang SI | 207, 274 |
| Wang TW | 404 |
| Wang XL | 100, 130, 239, 430, 439, 648, 655, 701 |
| Wang WG | 688 |
| Warren G | 75, 162, 166 |
| Watts DP | 307, 668 |
| Weinberg DH | 156, 207, 274, 352 |
| Weinriefer M | 450, 501, 668 |

| | |
|--------------|---|
| Weinstein R | 71, 134, 613, 614 |
| Weis M | 4, 75, 114, 162, 166, 178, 275, 307, 400, 422, 461, 533, 534, 668 |
| Weise W | 172, 231, 364, 433, 434 |
| Weiss B | 78 |
| Weiss M | <i>vidi</i> Weis M |
| Wells S | 187, 405, 494 |
| Werner J | 492, 518 |
| West AA | 156, 207, 274, 352 |
| Wexler D | 532 |
| Weyer HJ | 16, 30, 51, 61, 691, 699 |
| White CW | 74 |
| White SDM | 156, 207, 274, 352 |
| Wildi M | 16, 30, 51, 61, 691, 699 |
| Wilhite BC | 156, 207, 274 |
| Williams GVM | 97, 121, 147, 458 |
| Willman B | 156 |
| Wilson KE | 16, 30, 51, 61, 691, 699 |
| Wissink SW | 257, 397 |
| Witała H | 162, 166, 275 |
| Wittorff VW | 564 |
| Wöhrle H | 162, 166, 275 |
| Wolf S | 4 |
| Wood CC | 33 |
| Wood S | 187, 405, 494 |

| | |
|--------------|---|
| Wyczisk F | 369 |
| Xu G | 187, 405 |
| Xu YZ | 156, 207, 274, 352 |
| Yamaguchi H | 187, 405 |
| Yan C | 187, 405, 494 |
| Yang S | 641 |
| Yanny B | 156, 207, 274, 352 |
| Yarger J | 156 |
| Yasuda N | 156, 207, 274 |
| Yip CW | 156, 207, 274 |
| Yocum DR | 156, 207, 274, 352 |
| Yoeh WK | 430 |
| Yordanov O | 77, 90 |
| York DG | 156, 207, 274, 352 |
| Yoshida N | 154, 206, 227, 356, 482, 647 |
| Youn M | 70, 161, 575 |
| Yuan L | 187, 405, 494 |
| Yuldashev BS | 542 |
| Zabi A | 543 |
| Zadro K | 80, 193, 242, 251, 255, 372, 442, 456, 459, 466, 504, 522, 587, 619, 690, 701 |
| Zadro M | 658 |
| Zaharko O | 308 |
| Zakamska NL | 156 |
| Zamkochian S | 494 |

| | |
|------------|---|
| Zanchi D | 109, 258, 550, 588, 605, 617, 632 |
| Zehavi I | 156, 207, 274, 352 |
| Zeier M | 162, 166 |
| Zell KO | 401, 464, 645 |
| Zeps V | 70, 161, 575 |
| Zgrablić G | 155 |
| Zhang JY | 401, 464, 645 |
| Zhang LZ | 465 |
| Zhang YH | 401, 464, 645 |
| Zheng L | 156 |
| Zhong Q | 401, 464, 645 |
| Zhou Y | 257, 397 |
| Zhu X | 187, 405 |
| Zibetti S | 156, 207, 274, 352 |
| Zihlmann B | 668 |
| Zipper P | 316, 334 |
| Zoll S | 447 |
| Zolnai L | 8, 78, 104 |
| Zoto MS | 171 |
| Zubarev AN | 157, 158, 159, 160, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 346, 540 |
| Zucker DB | 156, 207, 274, 352 |
| Zuffi L | 154, 206, 227, 356, 482, 647 |
| Zuhr RA | 74 |

| | |
|-------------|---|
| Zuo JX | 338, 339, 340, 341, 342, 343, 344, 345, 347, 348, 349, 350, 351, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 467, 468, 469, 470, 471, 472, 473, 474 |
| Zuppiroli L | 370 |
| Žganec S | 47, 682 |
| Žilić D | 522, 619 |
| Živković I | 308, 456, 466 |
| Županović P | 42, 355, 478, 562, 583, 606, 715 |

POPIS ČASOPISA

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