

BIBLIOGRAFIJA Fizičkog odsjeka Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu : 1980 - 1998

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Authored book / Autorska knjiga

Publication status / Verzija rada: **Published version / Objavljena verzija rada (izdavačev PDF)**

Publication year / Godina izdavanja: **2019**

Permanent link / Trajna poveznica: <https://um.nsk.hr/um:nbn:hr:217:189928>

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Download date / Datum preuzimanja: **2024-05-21**



Repository / Repozitorij:

[Repository of the Faculty of Science - University of Zagreb](#)



BIBLIOGRAFIJA

1980. – 1998.

Fizičkog odsjeka
Prirodoslovno-matematičkog fakulteta
Sveučilišta u Zagrebu



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ISBN 978-953-6076-52-9

Zagreb, 2019.

Bibliografija 1980. - 1998.

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Sadržaj

Predgovor	I
Riječ pročelnika Fizičkog odsjeka	III
 <i>Radovi u časopisima indeksiranim u bazi podataka Web of Science Core Collection</i>	
Izvorni znanstveni radovi	1
Pregledni radovi	83
Radovi sa znanstvenih skupova objavljeni u časopisima	86
Pisma uredniku	93
 <i>Radovi objavljeni u časopisu Fizika (izvorni znanstveni radovi, radovi sa znanstvenih skupova, pisma uredniku)</i>	
	98
Autorsko kazalo	116
Popis časopisa	162

PREDGOVOR

Bibliografija obuhvaća radove zaposlenika Fizičkog odsjeka Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu u devetnaestogodišnjem razdoblju, odnosno od 1980. do 1998. godine. Uvršteni su radovi objavljeni u vrijeme kad su autori bili zaposlenici Fizičkog odsjeka. U bibliografiji sadržano je 829 bibliografskih jedinica i sve su strukturirane prema prilagođenim Vancouverskim pravilima, što je pridonijelo jasnijem prikazu informacija.

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Većina radova sadržava 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, u studenom i prosincu 2018. godine.

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

Fizički odsjek Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu vodeća je institucija u znanstveno-nastavnom radu u području prirodnih znanosti, polje fizika, u Republici Hrvatskoj. Znanstveno-istraživački rad na Odsjeku je tradicionalno snažno zastupljen, što rezultira brojnim vrhunskim znanstvenim radovima objavljenim u najuglednijim međunarodnim znanstvenim časopisima, čime Odsjek znatno pridonosi ugledu Sveučilišta u Zagrebu u široj međunarodnoj znanstvenoj zajednici.

Bibliografija Fizičkog odsjeka izrađena je u spomen i zahvalu svim djelatnicima Fizičkog odsjeka koji su svojim predanim znanstvenim i nastavnim radom te izvrsnim znanstvenim radovima gradili i unapređivali djelatnost Fizičkog odsjeka na najvišoj razini. U bibliografiji su popisane znanstvene publikacije Odsjeka u razdoblju od 1980. do 1998. godine, uključujući radove objavljene u časopisima indeksiranim u bazi podataka Web of Science Core Collection, kao i radove objavljene u časopisu Fizika. Knjiga predstavlja posebno vrijedan pregled aktivnosti na Fizičkom odsjeku i svjedoči o uspješnosti i angažmanu naših znanstvenika. Među ostalim uključuje i razdoblje uspostave suverene i neovisne Hrvatske i Domovinskog rata tijekom kojeg su naši istraživači unatoč otežanim uvjetima ustrajali u znanstvenom radu. Iako su radovi s Fizičkog odsjeka još prije 1991. godine u afilijacijama sadržavali ime Hrvatske, nakon međunarodnog priznanja Republike Hrvatske znanstveni su radovi s Fizičkog odsjeka prvi put pronijeli afilijaciju iz Hrvatske kao neovisne i suverene države. Treba istaknuti da ova knjiga omogućuje uvid u djelatnost na Fizičkom odsjeku u razdoblju u kojem je došlo i do znatnih investicija u razvoj znanstveno-nastavnog rada iz fizike na Prirodoslovno-matematičkom fakultetu. Ono uključuje vrijeme od preseljenja u novu zgradu na Bijeničkoj cesti do ulaganja u infrastrukturnu istraživačku opremu - od znanstvene opreme za eksperimentalna istraživanja do prvih naprednijih računalnih resursa za znanstveni rad, čime su, uz kvalitetan mentorski rad, uspostavljeni temelji još uspješnijeg budućeg razvoja Odsjeka. Zahvaljujući dobrim temeljima na kojima je stasala nova generacija znanstvenika, danas na Fizičkom odsjeku znanstvena produktivnost, citiranost i privlačenje kompetitivnih znanstvenih projekata dostižu svoj vrhunac, što se dodatno potvrđuje i nedavnom uspostavom i uspješnim djelovanjem Znanstvenog centra izvrsnosti za kvantne i kompleksne sustave te reprezentacije Liejevih algebri, kao i Centra za napredna istraživanja kompleksnih sustava koji su snažno podržani iz strukturnih fondova Europske unije.

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 doprinosom pridonijeli da bibliografija bude što kvalitetnija i sveobuhvatnija. Posebno zahvaljujem recenzentima, prof. emeritusu Ivici Piceku i prof. dr. sc. Miroslavu Požeku, koji su svojim velikim znanjem i iskustvom unaprijedili bibliografiju. Zahvaljujem i svima drugima koji su posredno ili neposredno pridonijeli objavljivanju ovog djela.

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

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AUTORSKO KAZALO

Abukay D	642
Ahmed MW	682
Ahmed M	682
Aiello R	547
Aine CJ	496, 578, 579, 599
Ajazaj H	156
Alaga G	153, 154
Algora A	462, 533, 575, 658
Alhassid Y	347
Allaart K	22, 120, 637
Allred JC	107
Alstad J	295
Alteholz T	419, 497
Alvarez CR	498, 526, 565
Andreić Ž	587, 802, 819, 825
Andrejtscheff W	267, 404
Andrews HR	314
Androić D	419, 497, 499, 551, 552, 596, 603, 612, 682
Anić I	801
Antolković B	88, 306, 539, 731
Armstrong T	212
Árvay Z	10, 23
Atac A	574, 624

Aviani I	199, 288, 718
Aysto J	611
Babić D	307, 420, 544, 604, 609, 777, 799
Babić E	50, 53, 60, 70, 89, 90, 114, 149, 150, 159, 160, 161, 174, 180, 181, 182, 183, 200, 207, 208, 209, 213, 227, 228, 229, 245, 250, 268, 276, 278, 290, 307, 308, 309, 320, 321, 328, 348, 349, 355, 357, 358, 389, 392, 408, 409, 410, 421, 426, 436, 439, 448, 450, 452, 453, 454, 479, 486, 487, 510, 511, 512, 540, 571, 572, 650, 653, 654, 661, 662, 665, 670, 671, 674, 675, 677, 678, 683, 685, 688, 689, 691, 692, 693, 694, 697, 699, 743, 744, 750, 753, 757, 777, 783, 789, 791, 800, 821
Babić-Ivančić V	546
Baciu F	156, 157, 191
Backenstoss G	61, 91, 148, 151, 184, 218, 230, 266, 296, 346, 370, 419, 468, 497, 499, 500, 532, 551, 552, 596, 603, 612, 644
Bagović D	458, 459, 604, 664
Bajzer Ž	20, 715
Balabanić G	269
Balantekin AB	121, 122, 140
Balodis M	588, 824
Balodis MK	327
Balzar D	270, 520, 556
Ban Švastović Đ	534
Barbero C	501, 545, 589
Barišić S	24, 25, 28, 41, 42, 43, 45, 46, 54, 62, 92, 93, 109, 119, 123, 124, 152, 185, 231, 232, 233, 265, 271, 301, 310, 344, 376, 413, 483, 495, 509, 535, 542, 543, 605, 655, 657, 745, 755, 756
Barnéoud D	467
Baro MD	664

Barreau G	86, 118, 153
Barroso A	11, 44, 94
Barthélémy A	351
Basletić M	374, 377, 378, 379, 416, 502, 503, 602, 672, 673
Bassalleck B	212
Batistić I	45, 93, 152, 185, 202, 231, 232, 233, 234, 273, 313, 643, 645, 646, 647, 745, 765
Baturiće-Rubčić J	112, 704, 709, 717, 758
Bauer E	196, 319
Bazzacco D	425, 484, 498, 526, 565, 620
Bechgaard K	377, 379, 416
Bednarczyk P	574, 624
Beer W	327
Behnsch R	584
Bell DA	107
Bellot P	351
Berg GPA	74
Berghammer H	350, 417, 463, 493
Berlowitz D	642
Bernik S	349
Berzins J	588, 824
Best E	496, 599
Bhasale R	426, 683
Bishop AR	234, 273, 313, 643, 645, 646, 647

Biškup N	229, 268, 308, 309, 377, 378, 379, 416
Bitelli G	514
Bjeliš A	24, 25, 43, 46, 54, 95, 109, 119, 124, 202, 235, 272, 311, 312, 325, 326, 352, 380, 422, 424, 464, 495, 541, 542, 543, 591, 608, 649, 751, 765, 779
Bjoraker J	682
Blumenthal DJ	314, 382
Boehm G	267
Boeker E	22
Boerner HG	588, 824
Bogdanović M	153, 154, 285, 759
Bojowald J	74
Bokulić T	359
Bondarenko VA	381, 423, 465, 466
Bonefačić A	225, 236, 270, 732, 746
Boneva ST	815, 816
Bonner BE	107
Bonsignori G	120, 303, 345, 382, 418, 425, 484, 494, 498, 504, 565, 634
Bonville P	351
Börner HG	86, 118, 153, 332, 759, 815, 816
Borović Z	609
Borstnik B	269
Bosanac SD	96

Bosnar D	184, 230, 346, 370, 419, 497, 499, 500, 551, 552, 596, 603, 612, 682, 733
Botrić S	62
Božin M	742
Brako R	711
Brandolini F	425, 484, 498, 526
Brant S	3, 10, 17, 23, 36, 37, 49, 63, 66, 67, 71, 74, 75, 76, 86, 108, 118, 125, 140, 143, 144, 145, 154, 156, 157, 186, 187, 188, 189, 191, 221, 237, 238, 249, 251, 253, 267, 283, 284, 285, 286, 287, 295, 302, 315, 318, 327, 332, 339, 353, 354, 362, 381, 383, 384, 387, 404, 415, 423, 430, 456, 462, 465, 466, 467, 488, 498, 505, 513, 519, 522, 526, 533, 548, 565, 574, 575, 588, 590, 610, 611, 620, 624, 634, 639, 658, 659, 660, 726, 734, 759, 773, 774, 815, 816, 824
Brantley WH	387
Bratina G	209, 749
Breuer H	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Briggs R	171
Brinkmüller B	108
Briscoe WJ	615
Briscoe W	682
Brissot R	153
Brković A	419, 497
Brničević N	150, 159, 160, 161, 182, 217, 220, 222, 737
Brodbeck D	184
Bronić J	391, 476
Broto JM	196

Bruinsma R	28
Buchanan JA	107
Bucurescu D	467, 526
Burke DG	430
Bussmann-Holder A	313
Bušić B	136, 169
Cacciamani S	504
Calkin MM	107
Cameron P	107
Campbell I	<i>vidi</i> Campbell IA
Campbell IA	26, 40, 47, 59, 275, 317, 700, 701
Canto LF	12, 36
Car T	229, 389
Cardona MA	425
Casten RF	327
Căta-Danil G	467
Cederkäll J	574, 624
Chalupka A	153
Chan SK	304, 648
Cheng HY	97
Chevrier G	351
Chishti AA	382
Chowdhury P	314, 382, 395

Chrien R	<i>vidi</i> Chrien RE
Chrien RE	253, 383, 615, 682
Cierjacks S	61, 91, 141, 148, 151, 218, 266, 346
Cizewski JA	588, 824
Clement J	<i>vidi</i> Clement JM
Clement JM	107, 212
Cline JM	501, 545
Coceva C	327
Coffou E	352
Colić P	27, 48
Colliex C	288
Collin G	210, 255
Colvin G	332, 588, 759, 824
Colvin GG	<i>vidi</i> Colvin G
Comfort J	682
Conrad H	126, 172, 248, 281
Conradson SD	273
Cooper J	<i>vidi</i> Cooper JR
Cooper JR	241, 749, 700, 701
Copel M	107
Corcoran MD	107
Cornette A	669

Corradini L	634
Coutinho FAB	135
Cowlam N	164, 274
Crea F	547
Crnković I	739
Croft WL	387
Cros V	669
Crowell B	314
Cui X	682
Cummings WJ	331
Czakó-Nagy I	401, 443, 445, 446, 451, 482, 520, 528, 531, 556, 557, 570, 595
Czurratis P	261
Čelustka B	274
Čizmek A	476, 477, 478, 546, 547, 550
Čule D	740
Ćelap S	558
Dalipi S	402, 446, 556, 597
Damjanović D	250
Dananić V	155, 352, 424, 591
Daniels WR	295
Danko I	505
Daum E	468
de Angelis G	425, 484, 498, 526, 565, 574, 624

De Frenne D	295
de Leon JM	273
De Poli M	425, 498, 565, 574, 624
Decoster C	367
Dehnhard D	682
Dendooven P	611
Dieperink AEL	366, 695
Dinse KP	642
Djaloeis A	58
Djerbi R	190
Dmitrović R	372
Döbbeling H	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Dobbert O	642
Dombrádi Zs	71, 203, 249, 315, 318, 353, 384, 415, 456, 505, 548, 574, 575, 624, 658, 659, 660, 762
D'Onofrio L	316, 351
Donohoe RJ	647
Dooling T	419, 497, 499, 500, 551, 552, 596, 603, 612
Dorešić M	786, 793
Dou SX	392, 421, 426, 436, 439, 479, 510, 511, 512, 540, 654, 661, 662, 665, 670, 671, 674, 675, 683, 789, 800, 821
Dousse J-C	588, 824

Dousse J-Cl	327
Dracoulis GD	5
Dragčević Đ	399, 442, 482, 557, 614
Dragulescu E	64, 65, 156, 157, 191, 354
Drake T	314
Drees M	127
Drobac Đ	53, 60, 159, 160, 161, 180, 182, 227, 228, 309, 348, 349, 375, 410, 439, 744, 777, 789, 800
Dubček P	70, 173, 192, 681, 760, 771, 823
Dujmić D	820
Dujšin M	407
Dukić P	372
Dulčić A	158, 217, 239, 262, 263, 292, 293, 337, 369, 385, 460, 461, 492, 619, 642, 663, 787, 813
Duma M	156, 157, 191
Durner P	253
Dužević D	342, 343, 534, 801
Džemidžić M	296, 532
Đurek D	159, 160, 161, 355, 592
Eberth J	267
Eder R	327
Eeg JO	386, 427, 428, 593, 794
Ekardt W	128
Ekstrom LP	13

Eman B	129, 731
Emery VJ	28
Empl A	615, 682
Ennis PJ	314, 382
Erceg L	487, 572
Erhart P	642
Fabre JM	377, 379, 416, 502, 503, 673
Fahlander C	574, 624
Faini G	669
Fajfer S	29, 130, 162, 193, 240, 429, 594, 747, 761
Falconi G	620
Farnea E	620
Faust H	86, 118
Faust HR	<i>vidi</i> Faust H
Fayez-Hassan M	548, 574
Fényes T	10, 23, 66, 67, 71, 147, 203, 318, 415, 456, 462, 533, 575, 762
Fert A	131, 163, 171, 190, 195, 196, 197, 243, 316, 319, 669
Filipović-Vinceković N	549, 582
Fischbach E	97, 764, 812
Flynn ER	496, 599
Foltescu D	574, 624
Fong W	419, 497
Fontanilla JE	4

Ford RJ	26
Forró L	194, 219, 220, 241, 242
Foulon B	597
Fransioli L	642
Friedel J	152
Frlež E	286
Fruchter L	275, 317
Fukuda T	615
Furić K	159, 160, 161, 444, 506, 514, 521, 534, 537, 558, 573, 679
Furić M	20, 61, 91, 107, 141, 148, 151, 184, 212, 218, 230, 266, 296, 331, 346, 370, 419, 468, 497, 499, 500, 532, 551, 552, 596, 603, 612, 644, 715
Gácsi Z	66, 203, 249, 318, 462, 548
Galić H	1, 2, 638, 705
Galindouribarri A	314
Gammel JT	643, 645, 646, 647
Gamulin O	514
Gardner DG	327
Gardner MA	327
Garrett C	5
Garrett PE	430
Gashi F	401, 520
Gaulard C	682

Geltenbort P	588, 824
Genevey J	467
George JS	496
Georgii R	588, 824
Gerald J	682
Giacobbe P	327
Gignoux D	243
Gill RL	327, 682
Gill R	<i>vidi</i> Gill RL
Girit IC	387
Girt E	474, 763
Gizon A	467
Gizon J	467
Gladić J	199, 604
Glaudemans PWM	58, 74, 108
Gopal S	74, 108
Gotić M	256, 257, 289, 400, 431, 432, 443, 444, 506, 538, 556, 583, 595, 681, 823
Gotta D	468
Gottel P	221
Gracin D	587, 802, 819
Gram PA	<i>vidi</i> Gram PAM
Gram PAM	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Gratz E	196

Grawe H	574, 624
Gregory NK	419, 497, 499, 500, 551, 552, 596, 603, 612
Grosse H	433
Gržeta B	164, 254, 261, 274, 368, 405, 449, 481, 528, 538, 621, 631, 632, 668, 808
Guberina B	14, 30, 31, 48, 638, 705
Guberović M	174, 207, 208
Gulyás J	10, 23, 66, 67, 533, 548, 575, 762
Guo YC	426, 661
Gurgu I	156, 157, 191, 354
Güven HH	339, 773
Gvozdić V	334
Haas JP	419, 497
Hadžić-Leroux M	131
Haen P	131, 171, 190
Hagemann U	7
Hagn E	327
Hamilton WD	387
Hammann J	351
Hamzić A	26, 40, 47, 59, 131, 163, 171, 190, 195, 196, 197, 209, 210, 219, 220, 242, 243, 255, 275, 288, 316, 317, 319, 351, 371, 377, 378, 379, 416, 502, 503, 669, 672, 673, 700, 701, 737
Hancock AD	107
Hanna SS	141, 331
Hannoyer B	520, 597

Hartman K	212
Hashimoto O	682
Haugan MP	97
Hayano RS	615
Heinrich N	420
Henč-Bartolić V	587, 802, 819, 825
Henry EA	49
Hergt R	317
Herzer G	678, 818
Heyde K	58, 132, 216, 295, 336, 367, 690
Hicks A	212
Hicks HG	49
Hlawatsch G	108, 253
Hloušek Z	10
Hodges JA	351
Hoff RW	327
Hoffart A	184, 230, 266, 296, 346, 370, 419, 497, 499, 500, 532, 551, 552, 596, 603, 612, 644
Hofmeyr Ch	86
Hofstra P	22, 637
Hohlfeld A	165
Hollas CL	107
Honkanen A	611
Hopke PK	286

Horn D	314
Horn K	165
Horn S	197
Horvat D	133, 134, 166, 198, 244, 356, 469, 598, 733, 735, 788, 803, 826
Horvat J	227, 228, 245, 276, 320, 321, 357, 358, 670, 671, 683, 691, 692, 694, 697, 744, 748
Horvat R	470, 796
Horvat V	98, 136, 137, 167, 169, 277, 359, 687, 742, 766, 795
Horvatić M	199
Hoyler F	588, 759, 824
Hrs-Brenko M	254, 554
Hu QY	421, 426, 436
Huang M	599
Hübsch T	68, 69, 99, 100, 101, 102, 103, 104, 105, 168, 724, 736
Huhta M	611
Hungerford E	<i>vidi</i> Hungerford EV
Hungerford EV	107 212, 615, 682
Hungerford P	153, 327
Hürlimann W	74
Hutiray G	220
Iachello F	322, 504
Ibrahimi XH	710
Ilakovac A	133, 135, 244, 246, 323, 388, 429, 434, 471, 507, 594, 640, 735, 741, 764

Ilakovac K	98, 136, 137, 167, 169, 277, 324, 359, 564, 618, 687, 710, 742, 766, 778, 795, 807
Ilakovac N	137, 359, 687
Ilakovac V	364, 368, 449
Ilić M	199, 749
Ilić N	250
Imbert P	351
Ingram Q	<i>vidi</i> Ingram CHQ
Ingram CHQ	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Ionescu M	510, 511, 512, 661, 662, 665, 670, 671
Ionescu-Bujor M	156, 354, 498, 526
Iordachescu A	156, 354, 526
Ivanda M	506, 681, 823
Ivaniš T	558
Ivascu I	156, 191, 354
Ivascu M	64, 65, 157, 191
Ivezić Ž	374, 411
Ivkov J	50, 60, 70, 200, 278, 280, 348, 389, 420, 436, 512, 544, 621, 650, 668, 674, 684, 688, 689, 693, 750, 799, 800, 821
Izycki M	61, 91, 148, 151, 184, 218, 230, 266, 296, 346
Jackson SV	519
Jacobs E	295
Jacobs RL	688
Jäger HU	7

Jakšić M	820
Janeković A	201
Janett A	370
Jánosi A	627, 760
Janzen VP	314
Jéhanno G	351
Jelčić D	95, 202, 325, 326, 751, 765, 779
Jerbić-Zorc G	359, 742, 766
Jerrestam D	574, 624
Johansson JK	314
Johns KA	107
Johnson A	574, 624
Johnston K	615, 682
Jolie J	332
Jones GD	13
Jones P	611
Judge S	332, 815, 816
Julin R	249, 456, 611
Juutinen S	574, 611, 624
Kačić M	407
Kaffrell N	295, 339, 773
Kallay N	224

Kane W	153
Kappler JP	171, 190
Kardon B	339, 773
Katayama I	74
Käubler L	7
Kaučić S	137, 167, 277, 324
Kawade K	145
Kaysser WA	534
Kearns F	13
Kekez D	470, 472, 508, 600, 796
Kerek A	574, 624
Kern BD	71
Kern J	327, 588, 824
Kerr S	153, 588, 824
Kerr SA	<i>vidi</i> Kerr S
Kessler C	619
Keszei B	241
Khiem LH	381
Khitrov VA	381, 465, 466, 815, 816
Kholnov YV	381
Kibédi T	10, 23, 66, 67, 147, 203, 249, 762
Kirchbach M	7
Kirin A	732, 738

Kirin D	775
Kishimoto T	212
Klabučar D	435, 470, 472, 508, 600, 767, 796
Klamra W	574, 624
Klein A	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Klipa N	473
Klora J	253, 588, 815, 816, 824
Knezović S	159, 160, 161
Knežević D	372
Knežević G	763
Kniehl BA	388, 434, 471
Koch K	419, 497, 499, 500, 551, 552, 596, 603, 612
Koene BKS	383
Köhler J	419, 497, 499, 500, 551, 552, 596, 603, 612
Kokanović I	173, 192, 247, 279, 280, 360, 390, 474, 475, 601, 651, 666, 672, 752, 780, 804, 820
Kolanović M	814
Koltay E	10, 23
Komppa T	3
Komu R	3
Kondurov IA	153, 327, 588, 824
Kononenko IV	327
Kopecky J	253
Kordesch ME	126, 172, 248, 281

Korin-Hamzić B	377, 378, 379, 416, 502, 503, 602, 673
Kortelahti M	3
Kos I	288
Kosanović C	391, 458, 476, 477, 478, 550, 702
Kosanović K	457
Kostov LK	267
Kotliński B	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Koukal J	248, 281
Kownacki J	574, 624
Kozłowski T	331
Kralj D	546
Kraljević H	37
Kramer ND	327
Kramere N	588, 824
Kranold R	652, 768
Kranjc K	72, 142
Krasta T	588, 824
Krasznahorkay A	10, 23, 66, 67, 71, 203, 249, 415, 456, 762
Kraševac V	226
Kratz KL	143, 283
Krause DE	812
Krause H	370
Krečak Z	359, 710, 766

Krmpotić F	135, 501, 545, 589
Krödel M	419, 497, 499, 500, 551, 552, 596, 603, 612
Kroggel R	368
Kruk J	212
Krumes D	534
Krusche B	332, 815, 816
Kubota K	615
Kumerički K	472, 593, 805
Kumpulainen J	249, 456
Kun SY	282
Kunstelj D	72, 87, 142, 604, 797
Kunze HJ	802, 819, 825
Kupčić I	509, 605, 745
Kuršumović A	181, 250, 328, 800
Kušević I	392, 421, 426, 436, 479, 510, 511, 512, 654, 661, 662, 665, 670, 671, 674, 675, 683, 789, 800, 821
Kuvaga IL	381, 423, 465, 466
Kyle G	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Kyle GS	<i>vidi</i> Kyle G
Kyrchev G	51, 76, 77, 138, 170, 204, 719, 727, 728, 769
Laborde O	131
Lalazissis GA	567, 584, 585, 606, 607, 625, 635
Lan A	682
Landrum JH	49

Lanier RG	639
Lapierre F	131, 171, 190
László S	10, 23, 66
Latković M	464, 608
Lauppe WD	339
Lawin H	145
Le Bras G	351
Le Dang K	59
Leander G	36
Lee SF	669
Lehmann A	419, 497, 499, 500, 551, 552, 596, 603, 612
Leigh JR	5
Lelas S	106, 393
Lenac Z	139, 172, 248, 264, 299, 329, 330, 361, 394, 437, 480, 553, 711, 712, 716
Lenglet M	520
Leontić B	52, 158, 173, 192, 194, 241, 247, 279, 280, 360, 390, 420, 474, 475, 544, 601, 604, 609, 651, 666, 672, 749, 752, 760, 763, 770, 771, 780, 799, 804, 820
Lesikar JD	107
Levy PM	163
Lewine J	496
Lewis R	212
Leylekian L	351
Lhersonneau G	145, 186, 189, 237, 238, 251, 283, 339, 610, 611, 773, 774

Li Y	498
Liang CF	467
Libman VA	327, 588
Liebermann HH	50, 180, 181, 276, 278, 290, 320, 321, 328
Likar A	574, 624
Lin ZN	419, 497
Lindner H	253, 588, 815, 816, 824
Linn ST	107
Lipoglavšek M	574, 624
Lister CJ	314, 382, 395
Liu HK	392, 421, 426, 436, 439, 479, 510, 511, 512, 540, 654, 661, 662, 665, 670, 671, 674, 675, 683, 789, 800, 821
Lochstet W	212
Löffler H	261, 368, 405, 449, 808
Loginov YE	153, 327, 588, 824
Loh EY	643
Lopac V	18, 58, 73, 74, 108, 140, 145, 253, 267, 284, 354, 362, 363, 381, 383, 404, 513, 588, 734, 824
Lowenstein D	212
Lu JG	648
Lučić Lavčević M	806
Lugomer S	438, 514
Lukačević J	372
Lukatela J	52, 173, 192, 247, 279, 280, 360, 390, 474, 475, 601, 651, 666, 672, 752, 760, 763, 771, 804, 820

Lunardi S	425, 484, 498, 526, 565, 620
Luontama M	147
Ljubešić N	431, 630
Ljubičić A	488
Ljungfelt S	61, 91, 148, 218
Madigan WP	107
Mahl G	419, 497
Maier-Komor P	339, 773
Maiorov M	570
Mäkelä E	574, 624
Maki K	272, 311, 312, 379, 416, 602
Maksić ZB	205, 206, 252
Mankin U	61
Manojlović V	355
Marianer S	643
Marinković V	142
Marinov A	74, 108
Marković B	412
Marković Z	200
Marohnić Ž	50, 53, 60, 70, 150, 174, 180, 182, 207, 208, 209, 227, 228, 229, 245, 250, 268, 276, 309, 320, 321, 348, 349, 358, 375, 408, 409, 410, 436, 439, 453, 475, 512, 675, 677, 685, 692, 744, 748, 777, 789, 800, 818, 821
Maron G	526

Marsh KV	285
Martin RL	74, 234
Martoff CJ	141, 331
Martynov VV	153
Marušić L	340, 373, 396, 580, 827
Matacotta FC	307, 349
Mateos AO	419, 497, 499, 500, 551, 552, 596, 603, 612
Matijević E	201
Mayer-Böricke C	58, 74, 108
Mayerhofer U	253, 332, 404, 588, 815, 816, 824
Mayes B	107, 212, 682
Mayes BW	<i>vidi</i> Mayes B
Medaković D	254, 481, 554
Medina NH	484, 498, 526
Medunić Z	159, 160, 161, 355, 592
Megtert S	54, 109
Mehring M	619
Mehulić K	521, 558
Meissburger J	74, 108
Meljanac S	32, 33, 55, 99, 100, 101, 105, 127, 333, 397, 398, 440, 441, 515, 516, 517, 518, 555, 613, 698, 786, 790, 793
Mesić H	454
Metikoš-Huković M	334
Metsch BC	58

Meyer RA	4, 49, 76, 86, 118, 125, 143, 156, 175, 285, 286, 287, 339, 354, 383, 519, 548, 734, 773
Michaelian K	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Miettinen HE	107
Mignot JM	190
Mihaly L	220
Mihu R	64, 65
Milat O	159, 160, 161, 220, 534, 621, 668, 749, 801
Milčić R	269
Mileković M	127, 176, 240, 333, 397, 398, 440, 441, 515, 516, 517, 518, 555, 613, 698, 761, 786, 790, 793
Milošević M	15, 32, 34, 706
Milun M	684
Miljak M	50, 89, 196, 197, 209, 210, 255, 288
Miyachi T	615
Mohaček V	444
Monnand E	175
Montambaux G	541
Mooy RBM	74, 108
Morgan GJ	174, 207, 208, 357
Morrison TP	13
Moss R	212
Mukhopadhyay S	419, 497, 644
Murzin AV	327, 588

Musić S	211, 256, 257, 258, 259, 289, 294, 334, 338, 364, 365, 399, 400, 401, 402, 403, 406, 431, 432, 442, 443, 444, 445, 446, 447, 451, 482, 485, 490, 506, 520, 521, 528, 531, 537, 538, 556, 557, 558, 566, 570, 581, 583, 595, 597, 614, 628, 629, 630, 631, 632, 633, 676, 680, 681, 823
Mustafa MG	639
Mušević I	538
Mutchler GS	107, 212
Nagae T	615
Nagle RJ	286
Naing W	615
Nakano J	615
Napoli DR	526, 565
Narančić Z	198, 244, 356, 469
Nastro A	547
Naudet CJ	107
Nebendahl B	619
Neerman C	615, 682
Nikšić H	483, 655
Nilsson A	13
Nomura Ki	628, 629, 630
Norlin L-O	574, 624
Novák D	23, 66
Novaković B	524
Novalija K	763
Nozar P	307, 349, 450

Nyakó BM	574, 624
Nyberg J	574, 624
Njuhović N	763
Očko M	213, 290, 448, 757
O'Donnell J	682
Oelert W	58, 74, 108
Ogorelec Z	35, 110, 199, 214, 225, 236, 260, 335, 641, 707, 718, 746, 772, 806
Ohandley RC	304, 648
Ohm H	145, 251, 283
Oinonen M	611
Omar A	314
Orehovec Z	445
Otero A	664
Outa H	615
Paar D	522, 619
Paar N	524
Paar V	3, 4, 5, 7, 9, 10, 12, 13, 16, 17, 18, 22, 23, 36, 37, 49, 51, 58, 63, 64, 65, 66, 67, 68, 71, 73, 74, 75, 76, 77, 81, 86, 102, 103, 104, 108, 118, 120, 121, 122, 125, 132, 138, 140, 143, 144, 145, 147, 154, 156, 157, 168, 170, 175, 177, 179, 186, 187, 188, 189, 191, 203, 204, 215, 216, 221, 237, 238, 249, 251, 253, 267, 283, 284, 285, 286, 287, 291, 295, 302, 303, 315, 318, 327, 332, 336, 339, 345, 353, 354, 362, 363, 366, 367, 381, 383, 384, 387, 404, 407, 415, 423, 430, 456, 462, 465, 466, 467, 488, 505, 513, 519, 522, 523, 524, 533, 548, 559, 560, 561, 562, 563, 574, 575, 588, 590, 610, 611, 616, 620, 623, 624, 637, 639, 658, 659, 660, 690, 695, 696, 708, 719, 724, 725, 726, 727, 728, 734, 736, 740, 759, 762, 769, 773, 774, 781, 815, 816, 822, 824
Paffrath U	145

Pajić D	814
Pakkanen A	3
Palacz M	574, 624
Palle D	6, 33, 55, 78, 470, 720, 796
Pallua S	32, 69, 99, 100, 101, 105, 127, 176, 333, 433, 440, 525, 617, 667
Paljević M	592
Papa M	282
Paris P	467
Partch R	201
Pascovici G	156, 354
Passoja A	147, 203, 249
Pašić S	564, 618, 807
Paul D	108
Pauli HC	767
Pavan P	526
Pavin N	523, 524, 559, 560, 561, 616, 822
Pavlovski K	411
Pećina P	72, 142
Pećina PN	<i>vidi</i> Pećina P
Peligrad DN	619
Peng J	682
Penttilä H	611
Penzar Z	56, 79, 80, 83, 111, 128, 713, 721, 723

Pepin GP	107
Perajarvi K	611
Perica A	441, 517, 518, 555
Perić M	158, 217
Perroud JP	331
Persson J	574, 624
Persson JR	611
Pervan P	684
Pešić R	742
Peterson RJ	682
Petit F	597
Petkov P	267, 404
Petković T	61, 91, 141, 148, 151, 184, 218, 230, 266, 296, 331, 346, 370, 419, 468, 497, 499, 500, 532, 551, 552, 596, 603, 612, 644, 682
Petrache C	156, 157, 191, 354, 484, 498, 526, 565, 620, 634
Petrache CM	<i>vidi</i> Petrache C
Petravić J	721
Petravić M	194, 219, 749
Petrov A	570
Pezer R	467, 562, 563, 815, 816
Pfeiffer B	143, 175, 283
Phillips GC	107
Picek I	1, 6, 19, 33, 57, 386, 427, 428, 472, 593, 705, 782, 794, 805
Piiparinen M	3

Pilaftsis A	388, 434, 471, 640
Pile P	682
Pilotte S	314
Pinsky L	<i>vidi</i> Pinsky LS
Pinsky LS	107, 212
Pinston JA	175
Planinić Ma	411
Planinić Mi	497, 551, 552, 596, 603, 612, 615, 682
Plazonić M	481, 554
Počanić D	141, 331
Podobnik B	527, 530, 598, 788, 803, 826
Podolyak Zs	498, 575, 620, 659
Popescu D	64, 65, 156, 157, 191, 354
Popov YP	381, 465, 466
Popović S	201, 211, 224, 254, 256, 257, 258, 259, 261, 274, 289, 294, 334, 338, 364, 365, 368, 399, 400, 401, 402, 403, 405, 406, 431, 432, 442, 443, 444, 445, 446, 447, 449, 451, 481, 482, 485, 490, 506, 520, 521, 528, 531, 537, 538, 549, 554, 556, 557, 558, 566, 570, 581, 582, 595, 597, 614, 628, 629, 630, 631, 632, 633, 676, 678, 680, 681, 808, 823
Poschl W	529, 567, 568, 569, 584, 585, 606
Pospisil S	253
Poth H	212
Powers R	230, 266, 346, 370
Powers RJ	<i>vidi</i> Powers R
Požek M	239, 262, 263, 292, 293, 337, 369, 385, 619, 663, 787

Prade H	7
Prasanna TRS	304, 648
Pravdić V	576
Prester M	150, 159, 160, 161, 182, 217, 220, 222, 227, 228, 229, 250, 268, 307, 308, 309, 349, 355, 392, 450, 654, 737, 744, 777, 789, 800
Prester P	433, 525, 617, 667
Prevost D	314
Primorac M	205
Prokofjev PT	327, 381, 465, 466
Prokofjevs P	588, 824
Przystawa J	54, 109
Pucić I	549
Pulanić R	407
Pureur P	243
Puttaswamy NG	58
Qu T	430
Quang TX	415, 456
Radanović B	407
Radford D	314
Radić N	389, 621, 622, 668, 684
Radić V	260, 335
Raemy A	327, 588, 824
Ragaini RC	4
Rakvin B	158, 217, 239, 262, 263, 292, 293, 337, 369

Ramirez A	682
Ranken D	496, 599
Raschhofer E	433
Rayburn LA	387
Redwine RP	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Rešetić S	474, 475
Riedel C	682
Riley PJ	107
Ring P	350, 417, 463, 493, 527, 529, 530, 567, 568, 569, 584, 585, 606, 607, 625, 635
Ristić M	211, 258, 259, 294, 338, 364, 365, 403, 406, 447, 451, 485, 520, 521, 531, 558, 570, 597
Ristić R	114, 452, 677, 753, 791
Rizzuto MA	484, 565
Roberts JB	107
Robinson S	332, 404, 815, 816
Robinson SJ	<i>vidi</i> Robinson SJ
Roca V	425
Rogge M	74, 108
Rogina M	155, 352
Rogowski J	295
Roller Z	7
Römer JGM	74, 108
Rosandić M	<i>vidi</i> Rosandić-Pilaš M

Rosandić-Pilaš M	407, 623
Ross GG	101
Rossialvarez C	484
Roth HA	574, 624
Rowntree D	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Rubčić A	112, 269, 704, 709, 717, 758, 775, 809, 817, 828
Rubčić J	809, 817, 828
Rummel A	569
Rusek A	615, 682
Rzehorz B	151, 184, 230, 296, 346, 370, 532
Sabolek S	408, 409, 410, 453, 454, 486, 487, 571, 572, 653, 678, 685, 697, 699, 783, 792, 810, 818, 829
Salvisberg P	91, 148, 151, 184, 218, 230, 266, 296, 346, 370
Sanders J	496
Saunders A	682
Savelius A	611
Savoia M	120, 303, 345, 382, 418, 425, 484, 494
Sawafta R	615, 682
Saxena A	645, 647
Schaf J	59
Scheerer HJ	153, 327
Schmidt HH	153, 327
Schmidt G	61
Schneider H	411

Schneider L	7
Scholten O	144, 287, 367
Schreckenbach K	86, 118, 153, 332, 588, 759, 815, 816, 824
Schubart R	574, 624
Schult O	<i>vidi</i> Schult OWB
Schult OWB	86, 118, 140, 154, 238, 774
Schumacher R	419, 497, 644
Schumacher RA	<i>vidi</i> Schumacher R
Schurz J	627
Schussler F	175
Schwitz W	327, 588, 824
Sekharan KK	107
Sekulić A	506, 534, 573, 631, 632, 679, 680
Selinger-Kocijan D	558
Semenescu G	64, 65, 156, 157, 191, 354
Sennhauser U	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Senning B	642
Senoussi S	47
Sepiol B	447
Seweryniak D	574, 624
Seyfarth H	86, 118, 140, 153, 154, 221, 238, 253, 285, 339, 759, 773, 774
Sherman RH	370
Shimizu Y	615
Shizuma T	574, 624

Shushkov PA	153
Siddiqi SA	229, 268
Simić J	759
Simonova L	327, 588, 824
Simonova LI	<i>vidi</i> Simonova L
Sistemich K	145, 186, 189, 237, 238, 251, 283, 339, 773, 774
Skarnemark G	295
Skeppstedt Ö	574, 624
Sletten G	574, 624
Smit FD	419, 497, 644
Smith CF	4
Smith GA	212
Smith NL	4
Sohler D	462, 533, 574, 575, 624, 660
Sokolić F	269, 775
Sondi I	534, 576
Sparn G	371
Stanković M	801
Stary F	7
Stastny P	307, 349
Steinacher M	61, 91, 148, 151, 184, 218, 230, 266, 296, 346, 370
Stelts ML	383
Stenzel W	126, 248, 281
Stipančić M	514

Stipčević M	488
Stoitsov M	625
Stojić M	613
Stolzenwald ML	186
Stubičar M	52, 164, 222, 297, 304, 372, 391, 412, 438, 450, 457, 476, 477, 478, 514, 534, 550, 573, 576, 587, 621, 622, 626, 627, 648, 652, 668, 679, 684, 702, 760, 768, 801, 802, 811, 819, 825
Stubičar N	222, 297, 372, 412, 534, 626, 627, 801, 811
Subotica B	546
Subotić B	391, 457, 476, 477, 478, 547, 550, 702
Sudarsky D	812
Suhonen J	611
Sukhovej AM	381, 465, 466, 815, 816
Sunko DK	81, 113, 146, 177, 178, 179, 188, 223, 282, 298, 302, 413, 535, 577, 639, 656, 696, 725
Supek I	682
Supek S	205, 206, 252, 496, 578, 579, 599
Surinach S	664
Suruliz K	429
Sushkov PA	327, 588, 824
Sutter R	615, 682
Svrtan D	113
Swanson BI	647
Šalamon V	407
Šarić A	628, 629, 630, 676

Šaub K	90, 114, 183, 753
Ščrbak M	297
Šestović D	489, 536, 580
Šimičević N	151, 266, 305, 346, 370, 419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Šimičić LJ	415, 456, 466
Šimundić P	511, 512, 674, 821
Šips V	714, 739, 784, 798
Šmit I	391, 457, 476, 477, 478, 547, 550, 627, 702
Šokčević D	82, 784, 798
Štefanić G	490, 528, 537, 566, 581, 631, 632, 633, 680
Šubić J	372
Šunjić M	56, 79, 80, 82, 83, 96, 111, 115, 126, 128, 139, 165, 172, 248, 264, 281, 299, 300, 329, 330, 340, 341, 361, 373, 394, 396, 437, 473, 480, 489, 536, 553, 580, 711, 712, 713, 716, 721, 723, 827
Šušak M	454, 486
Švaić S	374
Švarc A	20, 715
Tadić D	1, 2, 6, 8, 11, 14, 15, 19, 21, 27, 29, 30, 31, 33, 34, 38, 39, 44, 48, 55, 57, 78, 84, 85, 94, 97, 116, 117, 129, 130, 133, 134, 135, 155, 162, 166, 193, 198, 240, 244, 246, 323, 356, 414, 429, 455, 469, 491, 501, 545, 589, 598, 636, 638, 705, 720, 722, 729, 730, 735, 747, 761, 764, 785, 788, 803, 812, 826
Tadić G	84, 116, 117
Tain JL	74, 108
Tamagawa T	615
Tamura H	615

Tang L	212, 682
Taragin M	682
Teillet J	47
Terrasi F	425
Tešanović Z	234
Težak D	549
Thiessen H	682
Thoi DBT	341
Thompson JD	371
Thuéry P	351
Tiee W	496
Tieger DR	419, 497, 644
Timár J	67, 147, 203, 249, 415, 456, 762
Todorović-Marinić D	800
Tokunaga Y	86, 118
Tomaš MS	716
Tomašić V	224, 549, 582
Tomić S	377, 378, 379, 416, 502, 503, 673
Tonejc A	87, 225, 236, 342, 343, 391, 412, 457, 458, 476, 477, 478, 546, 547, 550, 573, 583, 592, 627, 681, 684, 702, 746, 754, 776, 801, 811
Tonejc AM	87, 226, 342, 343, 457, 458, 459, 538, 573, 583, 664, 702, 738, 754, 776, 823
Tonković M	338
Törmänen S	574, 624

Trampetić J	2, 6, 8, 14, 15, 19, 21, 27, 30, 31, 34, 38, 44, 48, 85, 94, 705, 722, 730
Trautmann N	295
Trezeciak R	419, 497, 499, 500, 551, 552, 596, 603, 612
Trninić-Radja B	126, 264, 300, 723
Trojko R	164, 538, 583, 801
Trzaska W	147
Tuan TF	39
Tudorić-Ghemo J	136, 137, 169, 324
Tuđa M	222, 459
Turek P	58, 74, 108
Turk M	88, 306, 539, 731
Turković A	442, 506, 538, 583, 681, 823
Turpin SE	107
Tušek-Božić Lj	582
Tutiš E	123, 219, 265, 301, 344, 376, 483, 509, 605, 655, 657, 755, 756
Twin PJ	13
Udovičić LJ	3
Ukrainczyk I	337, 460, 461, 492, 663, 813
Ullrich H	61, 91, 141, 148, 151, 184, 218, 230, 266, 296, 331, 346, 370, 419, 468, 497, 499, 500, 532, 551, 552, 596, 603, 612, 644
Ur CA	526
Uric M	682
Valković V	107
van der Steenhoven G	419, 497, 644

van Egmond A	22
van Hees AGM	336, 690
Van Isacker P	58
Vanden Berghe G	5, 9
Varret F	40, 47
Vdović N	614
Veillet P	59
Velenik A	65
Venturelli R	484, 526, 565, 620
Vértes A	570
Vesković M	137, 167, 277
Vinzelberg S	468
Volarić B	539
von Egidy T	404, 588, 815, 816, 824
Von Weymarn K	61
von Witsch W	107, 212
Vonach HK	339, 773
Vonegidy T	153, 253, 327, 332, 467
Vorkapić D	156, 157, 191, 215, 216, 221, 291, 336, 339, 354, 366, 690, 695, 734, 773
Vouk M	36, 74, 108, 118
Vretenar D	63, 64, 86, 104, 118, 125, 154, 156, 177, 188, 191, 203, 221, 302, 303, 314, 322, 345, 347, 350, 354, 367, 382, 395, 417, 418, 425, 463, 484, 493, 494, 498, 504, 526, 527, 529, 530, 565, 567, 568, 569, 584, 585, 606, 607, 610, 611, 620, 625, 634, 635, 696, 734
Vučić Z	199, 604

Vukanović R	759
Vukelja T	159, 160, 161
Vuković M	583
Waddington JC	314
Wadsworth R	13
Waldner F	642
Wallander E	13
Walter A	588, 824
Walter G	652
Walters WB	548
Wang JC	611
Wang M	419, 497, 499, 500, 551, 552, 596, 612
Wang MH	419, 497, 499, 500, 551, 552, 596, 612, 644
Wang RK	661
Wang WG	662, 665, 674, 683
Wang XL	671
Ward D	314
Ward NJ	13
Warden M	642
Warner DD	253
Warquier M	58
Weber P	61, 91, 148, 151, 184, 218, 230, 266, 296, 346, 468
Weiler D	251
Weiser D	532

Weiss B	467
Wendrock G	261, 368, 405, 449, 808
Wenes G	58
Weyer HJ	61, 91, 141, 148, 151, 184, 218, 230, 266, 296, 346, 370, 419, 468, 497, 499, 500, 532, 551, 552, 596, 603, 612, 644
Whitlow LW	141
Wildi M	370, 419, 497, 499, 500, 532, 551, 552, 596, 603, 612, 644
Wilson KE	419, 497, 499, 500, 551, 552, 596, 603, 612, 644
Winter C	314, 382
Wirowski R	267
Wolf A	590
Wolters AA	336, 690
Wood CC	496
Worl LA	647
Wyss R	425
Xue Y	212
Yamamoto T	304, 391, 648
Youn M	682
Zadro K	53, 60, 89, 149, 180, 348, 355, 358, 375, 410, 453, 454, 540, 586, 601, 626, 686, 697, 699, 703, 748, 783, 800
Zanchi D	422, 503, 541, 649, 673
Zavodnik N	481
Zeimetz B	683
Zelenko J	271
Zell KO	267

Zemlo L	74, 108
Zeps V	682
Zipper P	627
Zlatić V	255, 288
Zmeskal J	370
Zrnčić S	810
Zucić D	305
Žerjav V	222
Žganec S	414, 455, 491, 764
Živko-Babić J	521, 558
Župančić M	759
Županović P	119, 495, 542, 543

POPIS ČASOPISA

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39. Journal of Alloys and Compounds
40. Journal of Applied Crystallography
41. Journal of Chemical Physics
42. Journal of Colloid and Interface Science
43. Journal of Crystal Growth
44. Journal of Electronic Materials
45. Journal of Geophysical Research : Space Physics

46. Journal of Magnetism and Magnetic Materials
47. Journal of Materials Science
48. Journal of Materials Science Letters
49. Journal of Molecular Structure
50. Journal of Non-Crystalline Solids
51. Journal of Physics A : Mathematical and General
52. Journal of Physics and Chemistry of Solids
53. Journal of Physics C : Solid State Physics
54. Journal of Physics : Condensed Matter
55. Journal of Physics F : Metal Physics
56. Journal of Physics G : Nuclear and Particle Physics
57. Journal of Radioanalytical and Nuclear Chemistry
58. Journal of Superconductivity
59. Journal of the Less Common Metals
60. Journal of Vacuum Science & Technology A
61. Lettere al Nuovo Cimento
62. Marine Biology
63. Materials Chemistry and Physics
64. Materials Letters
65. Materials Science and Engineering
66. Materials Science and Engineering : A
67. Materials Science and Engineering : B

68. Metallography
69. Metalurgija
70. Microporous Materials
71. Modern Physics Letters A
72. Modern Physics Letters B
73. Molecular Crystals and Liquid Crystals
74. Nanostructures Materials
75. Nature
76. Nuclear Instruments & Methods in Physics Research Section A : Accelerators, Spectrometers, Detectors and Associated Equipment
77. Nuclear Physics A
78. Nuclear Physics B
79. Philosophical Magazine A : Physics of Condensed Matter, Structure, Defects and Mechanical Properties
80. Philosophical Magazine B : Physics of Condensed Matter : Structural, Electronic, Optical and Magnetic
81. Philosophical Magazine Letters
82. Physica A
83. Physica B
84. Physica B & C
85. Physica C
86. Physica Scripta
87. Physica Status Solidi A : Applications and Materials Science
88. Physica Status Solidi A : Applied Research
89. Physica Status Solidi B : Basic Research

- 90. Physical Review A
- 91. Physical Review B
- 92. Physical Review C
- 93. Physical Review D
- 94. Physical Review E
- 95. Physical Review Letters
- 96. Physics Letters A
- 97. Physics Letters B
- 98. Physics World
- 99. Ratio (New Series)
- 100. Reports on Progress in Physics
- 101. Revue Roumaine de Physique
- 102. Robotica
- 103. Scripta Metallurgica
- 104. Scripta Metallurgica Et Materialia
- 105. Sensors and Actuators
- 106. Solid State Communications
- 107. Solid State Ionics
- 108. Strojarsvo
- 109. Superconductor Science and Technology
- 110. Surface and Coatings Technology
- 111. Surface Science

- 112. Synthetic Metals
- 113. Theoretica Chimica Acta
- 114. Thermochemica Acta
- 115. Thin Solid Films
- 116. Vacuum
- 117. Zeitschrift für Physik A
- 118. Zeitschrift für Physik B
- 119. Zeitschrift für Physik C
- 120. Zeitschrift für Physikalische Chemie Neue Folge
- 121. Zeolites