

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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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 Vancouverkim 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. Unutar svake kategorije radovi su poredani kronološki i abecedno prema prvom autoru. U drugom dijelu nalaze se radovi objavljeni u časopisu Fizika (odnosno Fizika A i Fizika B kasnije) te su bibliografske jedinice izrađene na temelju uvida u same publikacije. 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 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
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Prirodoslovno-matematičkog fakulteta
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105. Sensors and Actuators
106. Solid State Communications
107. Solid State Ionics
108. Strojarstvo
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