

**COBISS Kooperativni online bibliografski sistem in servisi COBISS****ANAMARIJA BORŠTNIK BRAČIČ [15839]****Osebna bibliografija za obdobje 1995-2011****ČLANKI IN DRUGI SESTAVNI DELI****1.01 Izvirni znanstveni članek**

1. BORŠTNIK, Anamarija, ŽUMER, Slobodan. Forces in an inhomogeneously ordered nematic liquid crystal : stable and metastable states. *Phys. rev., E Stat. phys. plasmas fluids relat.*, 1997, 56, 3021-3027. [COBISS.SI-ID [12583719](#)]
2. FUNG, Y. K., BORŠTNIK, Anamarija, ŽUMER, Slobodan, YANG, D.-K., DOANE, J. W. Pretransitional nematic ordering in liquid crystals with dispersed polymer networks. *Phys. rev., E Stat. phys. plasmas fluids relat.*, 1997, 55, str. 1637-1645. [COBISS.SI-ID [432228](#)]
3. MANKOČ BORŠTNIK, Norma, BORŠTNIK, Anamarija. Left and right handedness of fermions and bosons. *J. phys., G Nucl. part. phys.*, 1998, 24, str. 963-977. [COBISS.SI-ID [619108](#)]
4. BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. Interaction of spherical particles dispersed in a liquid crystal above the nematic-isotropic phase transition. *Phys. rev., E Stat. phys. plasmas fluids relat.*, 1999, 60, str. 4210-4218. [COBISS.SI-ID [1085796](#)]
5. BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. Temperature-induced flocculation of colloidal particles immersed into the isotropic phase of a nematic liquid crystal. *Phys. rev., E Stat. phys. plasmas fluids relat.*, 2000, 61, str. 2831-2839. [COBISS.SI-ID [1145956](#)]
6. KOČEVAR, Klemen, BORŠTNIK, Anamarija, MUŠEVIČ, Igor, ŽUMER, Slobodan. Capillary condensation of a nematic liquid crystal observed by force spectroscopy. *Phys. rev. lett.*, 2001, 86, str. 5914-5917. [COBISS.SI-ID [1339748](#)]
7. BORŠTNIK, Anamarija, KOČEVAR, Klemen, MUŠEVIČ, Igor, ŽUMER, Slobodan. Capillary forces in a confined isotropic-nematic liquid crystal. *Phys. rev., E Stat. phys. plasmas fluids relat.*, 2003, 68, str. 011708-1-0117089. [COBISS.SI-ID [1677156](#)]
8. BORŠTNIK, Anamarija, MANKOČ BORŠTNIK, Norma. Origin of families of fermions and their mass matrices. *Phys. rev., D Part. fields gravit. cosm.*, 2006, 74, str. 073013-1-073013-16. [COBISS.SI-ID [1948260](#)]
9. BORŠTNIK, Anamarija, GOVEKAR, Edvard, GRABEC, Igor. Modeling the field of laser welding melt pool by RBFNN. *Dyn. contin. discrete impuls. syst.*, 2007, letn. 14, suppl. 1, str. 227-231.

[COBISS.SI-ID [10007835](#)]

10. BORŠTNIK, Anamarija, GRABEC, Igor, GOVEKAR, Edvard. Modeling spatio-temporal field evolution. *Eur. phys. j., B Cond. matter phys. (Print)*, 2009, issue 4, vol. 69, str. 529-538. <http://dx.doi.org/10.1140/epjb/e2009-00202-8>, doi: [10.1140/epjb/e2009-00202-8](https://doi.org/10.1140/epjb/e2009-00202-8). [COBISS.SI-ID [10980891](#)]

## 1.06 Objavljeni znanstveni prispevek na konferenci (vabljen predavanje)

11. ŽUMER, Slobodan, BORŠTNIK, Anamarija, SKAČEJ, Gregor, ZIHERL, Primož, CRAWFORD, G. P. Microconfined liquid crystals : surface induced deformations, ordering and fluctuations : plenary talk at 16th International Liquid Crystal Conference, Kent, Ohio, 1996. *Mol. cryst. liq. cryst. sci. technol., A Mol. cryst. liq. cryst.*, 1997, 304, str. 2355-2372. [COBISS.SI-ID [553316](#)]

12. BORŠTNIK, Anamarija, MANKOČ BORŠTNIK, Norma. Are spins and charges unified?, How can one otherwise understand the connection between the handedness (the spin) and the weak charge?. V: MANKOČ BORŠTNIK, Norma (ur.), BECH NIELSEN, Holger (ur.), FROGGATT, Colin (ur.). *Proceedings to the International Workshop on What Comes Beyond the Standard model, Bled, Slovenia, 29 June - 9 July 1998*. Ljubljana: DMFA založništvo, 1999, str. 52-56. [COBISS.SI-ID [1005156](#)]

## 1.08 Objavljeni znanstveni prispevek na konferenci

13. BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. Liquid crystal dispersion : stability of charged spherical particles. V: 11th General Conference of the European Physical Society, London. *Trends in physics : abstracts book*. London: Institute of Physics, 1999, str. 43. [COBISS.SI-ID [1079140](#)]

14. BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. New in colloid and surfactant sciences : temperature-induced flocculation of colloidal particles above the nematic-isotropic phase transition : presented at 13th Conference of the European Colloid and Interface Society, Dublin, 1999. *Prog. colloid & polym. sci.*, 2000, 115, suppl., str. 353-356. [COBISS.SI-ID [1194596](#)]

15. BORŠTNIK, Anamarija, MANKOČ BORŠTNIK, Norma. Weyl spinor of SO(1,13), families of spinors of the standard model and their masses : [presented at 5th Workshop What Comes Beyond the Standard Model 2000,2001,2002, Bled]. *Blejsk. delavn. fiz.*, 2002, letn. 3, št. 4, str. 27-51. [COBISS.SI-ID [1582436](#)]

16. BORŠTNIK, Anamarija, MANKOČ BORŠTNIK, Norma. The approach unifying spins and charges in SO\*1,13( and its predictions : [presented at Euroconference on Symmetries Beyond the Standard Model, Portorož,2003]. *Blejsk. delavn. fiz.*, 2003, 4, 2-3, str. 31-57. [COBISS.SI-ID [1717092](#)]

17. BORŠTNIK, Anamarija, MANKOČ BORŠTNIK, Norma. Mass matrices of quarks and leptons in the approach unifying spins and charges. V: MANKOČ BORŠTNIK, Norma (ur.), NIELSEN, Holger B. (ur.), FROGGATT, C. D. (ur.), LUKMAN, Dragan (ur.). *Proceedings of the 8th Workshop What Comes Beyond the Standard Models : Bled, July 19-25, 2005*, (Blejske delavnice iz fizike, vol. 6, no. 2). Ljubljana: DMFA - založništvo, 2005, str. 17-31. [COBISS.SI-ID [1880420](#)]

18. BORŠTNIK, Anamarija, MANKOČ BORŠTNIK, Norma. The approach unifying spins and charges and its applications. V: BRADAMANTE, F. (ur.). *SPIN 2004 : proceedings of the 16th International Spin Physics Symposium and Workshop on Polarized Electron Sources and*

*Polarimeters, Trieste, Italy, 10-16 October 2004*. Hackensack: World Scientific, 2005, str. 489-492. [COBISS.SI-ID [1863012](#)]

**19.** BORŠTNIK, Anamarija, GOVEKAR, Edvard, GRABEC, Igor. Statistical modeling of multi-dimensional fields. V: ZUPANČIČ, Borut (ur.), KARBA, Rihard (ur.), BLAŽIČ, Sašo (ur.). 6th EUROSIM Congress on Modelling and Simulation, Ljubljana, Slovenia, 9-13 September, 2007. *EUROSIM 2007 : proceedings of the 6th EUROSIM Congress on Modelling and Simulation, 9-13 September 2007, Ljubljana, Slovenia. Vol. 2, Full papers*. Vienna: ARGESIM, cop. 2007, 6 str. [COBISS.SI-ID [10226715](#)]

**20.** BORŠTNIK, Anamarija, SURMANN, Tobias, GOVEKAR, Edvard. Modeling and characterization of surface structures produced by milling. V: OUTEIRO, J.C. (ur.). *Modelling of machining operations : selected, peer reviewed papers from the 13th CIRP Conference on Modelling of Machining Operations, May 12-13, 2011, Sintra, Portugal*, (Advanced materials research, vol. 223). Zürich: Trans Tech Publications, 2011, str. 495-504, doi: [10.4028/www.scientific.net/AMR.223.495](http://dx.doi.org/10.4028/www.scientific.net/AMR.223.495). [COBISS.SI-ID [11834651](#)]

## 1.12 Objavljeni povzetek znanstvenega prispevka na konferenci

**21.** BORŠTNIK, Anamarija, ŽUMER, Slobodan. Paranematic ordering caused by polymer networks dispersed in isotropic liquid crystals. V: MERTELJ, Alenka (ur.), MUŠEVIČ, Igor (ur.). European Conference on Liquid Crystals, Bovec, 1995. *Abstracts*. [Ljubljana: J. Stefan Institute], 1995, str. SC-8. [COBISS.SI-ID [1062244](#)]

**22.** BORŠTNIK, Anamarija, ŽUMER, Slobodan. Forces in an isotropic liquid crystal with surface induced paranematic ordering. V: BRODZIK, Marzena (ur.). European Conference on Liquid Crystals. *Science and technology : abstracts*. Zakopane (Poland): Military University of Technology: Institute of Applied Physics: Institute of Chemistry, 1997, str. 107. [COBISS.SI-ID [502884](#)]

**23.** BAJC, Jure, BORŠTNIK, Anamarija, ŠARLAH, Andreja, SKAČEJ, Gregor, ZIHERL, Primož, ŽUMER, Slobodan. Forces mediated by inhomogeneously ordered nematic liquid crystals. V: 17th International Liquid Crystal Conference, Strasbourg 1998. *Program and abstract book*. Strasbourg: Centre National de la Recherche Scientifique, Université Louis Pasteur, 1998, str. P1-149. [COBISS.SI-ID [1027940](#)]

**24.** BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. Forces among particles in isotropic liquid crystal : effect of surface induced ordering. V: 17th International Liquid Crystal Conference, Strasbourg 1998. *Program and abstract book*. Strasbourg: Centre National de la Recherche Scientifique, Université Louis Pasteur, 1998, str. P2-193. [COBISS.SI-ID [1026916](#)]

**25.** BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. Stability of charged spherical particles dispersed in isotropic liquid crystal. V: HIDALGO-ÁLVAREZ, R... (ur.). *4th Liquid Matter Conference, University of Granada, Spain, 3-7 July, 1999*, (Europhysics Conference Abstracts, Vol. 23C). [S. l.]: European Physical Society, 1999, str. P4-5. [COBISS.SI-ID [1061988](#)]

**26.** ŽUMER, Slobodan, BORŠTNIK, Anamarija, STARK, Holger. Stability of a dispersion of particles in a liquid crystal above nematic-isotropic transition : invited talk. V: *Abstracts : INF Meeting*. Le Ciminere: Istituto Nazionale per la Fisica della Materia, 1999, str. 7. [COBISS.SI-ID [1039716](#)]

**27.** BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. Electrostatic stability of spherical particles dispersed in isotropic liquid crystal. V: ECLC 99 - European Conference on Liquid Crystals 99, April 25-30 1999, Hersonissos, Crete, Greece. *Book of abstracts*. Hersonissos: University of Patras, 1999, str. P1-056. [COBISS.SI-ID [1002852](#)]

- 28.** BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. Stabilization of a dispersion of spherical particles in an isotropic liquid crystals. V: 8th International Topical Meeting on Optics of Liquid Crystals, Humacao, Puerto Rico 1999. *OLC '99*. Humacao, Puerto Rico: [Puerto Rico EPSCoR], 1999, p 3.3. [COBISS.SI-ID [1076324](#)]
- 29.** MUŠEVIČ, Igor, KOČEVAR, Klemen, BORŠTNIK, Anamarija, ŽUMER, Slobodan. Capillary condensation in nematic liquid crystals. V: 19th International Liquid Crystal Conference 2002, Edinburgh, UK, 30 June - 5 July 2002. *Book of abstracts*. [S. l.]: British Liquid Crystal Society, 2002. [COBISS.SI-ID [17264935](#)]
- 30.** MANKOČ BORŠTNIK, Norma, BORŠTNIK, Anamarija, NIELSEN, Holger B. The approach unifying spin and charges. V: *Abstracts : spin 2004*. Trieste: Istituto nazionale di fisica nucleare, 2004, str. 18. [COBISS.SI-ID [1778532](#)]
- 31.** BORŠTNIK, Anamarija, GRABEC, Igor. Statistično modeliranje dvodimenzionalnih kaotičnih polj = Statistical modeling of two dimensional chaotic fields. V: ROBNIK, Marko (ur.), KOROŠAK, Dean (ur.). 5. simpozij fizikov Univerze v Mariboru, Hotel Piramida, Maribor, 14. 15. in 16. december 2006. *Zbornik povzetkov*. Maribor: CAMTP, 2006, [2] f. [COBISS.SI-ID [9857307](#)]
- 32.** BORŠTNIK, Anamarija, GOVEKAR, Edvard, GRABEC, Igor. Statistical modelling of laser welding melt pool. V: SKIADAS, Christos H. (ur.). XIIth Applied Stochastic Models and Data Analysis International Conference, Chania, Crete, Greece, May 29-June 1, 2007. *ASMDA 2007 : book of abstracts*. [S. l.]: [S. n.], 2007, str. 30. [COBISS.SI-ID [10026267](#)]
- 33.** BORŠTNIK, Anamarija, GRABEC, Igor, GOVEKAR, Edvard. Statistical modeling of laser welding pool. V: *European Conference on Complex 2007, Dresden, October 1-6, 2007 : abstract book*. [Dresden]: [s. n.], 2007, str. 168. [COBISS.SI-ID [10227227](#)]
- 34.** BORŠTNIK, Anamarija, GRABEC, Igor, GOVEKAR, Edvard. Statistical modeling of multi-dimensional chaotic fields. V: ROBNIK, Marko (ur.). 8th Japan-Slovenia Seminar on Nonlinear Science, Maribor, Slovenia, 2-6 July 2007. *Programme*. Maribor: Univerza v Mariboru, Center for Applied Mathematics and Theoretical Physics: = CAMTP, 2007, str. 19-20. [COBISS.SI-ID [10146843](#)]
- 35.** GRABEC, Igor, BORŠTNIK, Anamarija, GOVEKAR, Edvard, GRADIŠEK, Janez, MUŽIČ, Peter, SUSIČ, Egon, ŠVEGL, Franc. Characterization and modeling of patterns by an intelligent system. V: *The 1st International Conference Art, Science and Technology : Interaction between Three Cultures, Karmiel, Israel, 1-2 June, 2011*. Karmiel: ORT Braude College, 2011, str. 29. [http://conferences.braude.ac.il/ArtIndustrial/Files/All\\_abstracts\\_for\\_site.pdf](http://conferences.braude.ac.il/ArtIndustrial/Files/All_abstracts_for_site.pdf). [COBISS.SI-ID [11984667](#)]

### 1.13 Objavljeni povzetek strokovnega prispevka na konferenci

- 36.** BORŠTNIK, Anamarija, STARK, H., ŽUMER, Slobodan. Stabilnost skupine nabitih kroglic, ki so potopljene v izotropen tekoči kristal. V: MUŠEVIČ, Igor (ur.), ŠKARABOT, Miha (ur.). 2. nacionalna konferenca fizikov v osnovnih raziskavah, Zreče, 9. november 2000. *Zbornik povzetkov*. Ljubljana: DMFA, založništvo, 2000, str. 33. [COBISS.SI-ID [1226340](#)]
- 37.** ČEPIČ, Mojca, GOLLI, Bojan, KRANJC, Tomaž, GOSTINČAR-BLAGOTINŠEK, Ana, RAZPET, Nada, FERBAR, Domen, BORŠTNIK, Anamarija. Naravoslovje v 6. in 7. razredu 9-letne osnovne šole : fizikalne vsebine. *Okolj. vzgoja šoli*, 2001, letn. 3, št. 1-2, str. 170, ilustr. [COBISS.SI-ID [4514889](#)]

## 1.16 Samostojni znanstveni sestavek ali poglavje v monografski publikaciji

38. STARK, H., BORŠTNIK, Anamarija, ŽUMER, Slobodan. Liquid crystal colloidal dispersions. V: LAVRETOVICH, Oleg D. (ur.), PASINI, Paolo (ur.), ZANNONI, Claudio (ur.), ŽUMER, Slobodan (ur.). *Defects in liquid crystals : computer simulations, theory and experiments : proceedings of the NATO Advanced Research Workshop on Computer Simulations of Defects in Liquid Crystals including their Relation to Theory and Experiment, held in Erice, Sicily, Italy, 19-23 September 2000*, (NATO science series, 2, Mathematics, physics and chemistry, vol. 43). Dordrecht; Boston; London: Kluwer Academic, 2001, str. 37-85. [COBISS.SI-ID [1404772](#)]

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## MONOGRAFIJE IN DRUGA ZAKLJUČENA DELA

### 2.05 Drugo učno gradivo

39. BORŠTNIK, Anamarija, PODGORNIK, Rudolf, VENCELJ, Matjaž. *Rešene naloge iz mehanike kontinuov*, (Zbirka izbranih poglavij iz fizike, 35). Ljubljana: DMFA - založništvo, 2001. 155 str., ilustr. ISBN 961-212-118-4. [COBISS.SI-ID [112974592](#)]

### 2.08 Doktorska disertacija

40. BORŠTNIK, Anamarija. *Interactions mediated by partially ordered nematic liquid crystals : thesis = Sile, ki jih posreduje delno urejen nematični tekoči kristal : disertacija*. Ljubljana: [A. Borštnik], 2000. XXV, 118 str., ilustr. [COBISS.SI-ID [1131364](#)]

### 2.09 Magistrsko delo

41. BORŠTNIK, Anamarija. *Analiza fraktalov na slovenskem in svetovnih finančnih trgih : magistrsko delo*. Ljubljana: [A. Borštnik Bračić], 2002. 64 str., ilustr. [COBISS.SI-ID [12710886](#)]

### 2.12 Končno poročilo o rezultatih raziskav

42. BORŠTNIK, Anamarija. *Računalniško podprta logistika in sledenje tovora preko medmrežja ter nadzorovanje kakovosti ozračja : zaključno poročilo o rezultatih raziskovalnega projekta (zaključek junija 2002)*. Koper: Primorski inštitut za naravoslovne in tehnične vede: 2002. [17 f.]. [COBISS.SI-ID [6216521](#)]

### 2.13 Elaborat, predstudija, študija

43. MANKOČ BORŠTNIK, Norma, KOSEL, Tadej, LUKMAN, Dragan, MAKELJA, Nika, BORŠTNIK, Anamarija, ŠKVARČ, Smiljana, JAKOMIN, Marko, ZEVNIK, Ciril, OGRIN, Tomaž, KOSEL, Franc, BLAGOJEVIČ, Milutin, POBERAJ, Gorazd. *Vloga raziskovalnih organizacij v gospodarskih interesnih združenjih*. Koper: Primorski inštitut za naravoslovne in tehnične vede, 2003. 52 str. [COBISS.SI-ID [1662052](#)]

### 2.14 Projektna dokumentacija (idejni projekt, izvedbeni projekt)

44. BORŠTNIK, Anamarija, MARENČE, Milan. *Strokovno mnenje o potrebnih programskih, električnih in strojniških delih za izvedbo projekta Modifikacija linije centriranja koles na oddelku montaže v tovarni Revoz, Novo mesto : projektna dokumentacija : izvedbeni projekt*. Ljubljana: Pedagoška fakulteta: Iskra Impuls, 2005. 18 f., ilustr. [COBISS.SI-ID [6216265](#)]

---

## IZVEDENA DELA (DOGODKI)

### 3.14 Predavanje na tuji univerzi

45. BORŠTNIK, Anamarija. *Forces in inhomogeneously ordered liquid crystals : lecture given at Institut für Theoretische un Angewandte Physik, Universität Stuttgart*. 1998. [COBISS.SI-ID [1062756](#)]

46. BORŠTNIK, Anamarija. *Interaction between particles in isotropic liquid crystals : effect of surface induced anchoring : lecture given at Institut für Theoretische un Angewandte Physik, Universität Stuttgart*. 1998. [COBISS.SI-ID [1062500](#)]

### 3.15 Prispevek na konferenci brez natisa

47. BORŠTNIK, Anamarija. *Polymer network dispersed in a nematic liquid crystal : presented at 3rd EPS Southern European School on Dynamics of Dispersed Media, Bled*. 1995. [COBISS.SI-ID [1063012](#)]

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## SEKUNDARNO AVTORSTVO

### Urednik

48. KLANJŠEK GUNDE, Marta (ur.), REMŠKAR, Maja (ur.), IPAVEC, Marija (ur.), ŽELEZNIK, Nadja (ur.). *Fizika, moj poklic : življenje in delo naših fizičark*. 1. izd. Ljubljana: Društvo jedrskih strokovnjakov Slovenije, 2007. 240 str., ilustr. ISBN 978-961-6207-27-0. [COBISS.SI-ID [234688000](#)]

### Pisec recenzij

49. *Strojniški vestnik*. Borštnik Bračič, Anamarija (pisec recenzij 2010-). Ljubljana: Zveza strojnih inženirjev in tehnikov Slovenije [et al.]: = Association of Mechanical Engineers and Technicians of Slovenia [et al.], 1955-. ISSN 0039-2480. [COBISS.SI-ID [762116](#)]

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