

(a) Refereed journals

1. S. Segui, Z. L. Mišković, J. L. Gervasoni, and N. R. Arista, “Plasmon excitation in single walled carbon nanotubes by charged particles: comparison with experimental spectra”, *Journal of Physics: Condensed Matter*, in press (2013).
2. I. Radović, D. Borka, and Z. L. Mišković, “Dynamic polarization of graphene by external correlated charges”, *Physical Review B*, Vol. **86** (2012), 125442 (17 pp).
3. Z. L. Mišković, P. Sharma, and F. O. Goodman, “Ionic screening of charged impurities in electrolytically gated graphene”, *Physical Review B*, Vol. **86** (2012), 115437 (11 pp).
4. M. Hegde, T. Wang, Z. L. Mišković, and P. V. Radovanović, “Origin of size-dependent photoluminescence decay dynamics in colloidal γ -Ga₂O₃ nanocrystals”, *Applied Physics Letters*, Vol. **100** (2012) 141903 (5 pp).
5. I. Radović, V. Borka Jovanović, D. Borka, and Z. L. Mišković, “Interactions of slowly moving charges with graphene: the role of substrate phonons”, (invited progress report), *Nuclear Instruments and Methods in Physics Research B*, Vol. **279** (2012) pp. 165-168.
6. V. Borka Jovanović, I. Radović, D. Borka, and Z. L. Mišković, “High-energy plasmon spectroscopy of freestanding multilayer graphene”, *Physical Review B*, Vol. **84** (2011), 155416 (10 pp).
7. Z.-H. Hu, Y.H. Song, Z. L. Mišković, and Y.-N. Wang, “Energy dissipation of ion beam in two-component plasma in the presence of laser irradiation”, *Laser and Particle Beams*, Vol. **29** (2011) pp. 299-304.
8. D. Borka, I. Radović, and Z. L. Mišković, “Dynamic polarization of graphene by moving external charges: comparison with 2D electron gas” (invited progress report), *Nuclear Instruments and Methods in Physics Research B* **269** (2011) pp. 1225-1228.
9. I. Radović, D. Borka, and Z. L. Mišković, “Wake effect in doped graphene due to moving external charge”, *Physics Letters A*, Vol. **375** (2011) pp. 3720-3725.
10. N. Upadhyaya, V. Nosenko, Z. L. Mišković, L.-J. Hou, A. V. Ivlev, and G. E. Morfill, “A full account of compressional wave in 2D strongly coupled complex (dusty) plasmas: theory, experiment and numerical simulation”, *EPL (Europhysics Letters)*, Vol. **94** (2011) 65001 (6 pp).
11. N. Upadhyaya, Z. L. Mišković, and L.-J. Hou, “Dispersion and damping of two-dimensional dust acoustic waves: Theory and Simulation”, *New Journal of Physics*, Vol. **12** (2010) 093034 (25 pp).
12. D. J. Mowbray, S. Segui, J. Gervasoni, Z. L. Mišković, and N. R. Arista, “Plasmon excitations on a single-wall carbon nanotube by external charges: two-dimensional, two-fluid hydrodynamic model”, *Physical Review B*, Vol. **82** (2010) 035405 (14 pp).

13. D. Borka, D. J. Mowbray, Z. L. Mišković, S. Petrović, and N. Nešković, “Donut and dynamic polarization effects in proton channeling through carbon nanotubes”, *New Journal of Physics*, Vol. **12** (2010) 043021 (17 pp).
14. Z. L. Mišković and N. Upadhyaya, “Modeling electrolytically top gated graphene”, *Nanoscale Research Letters*, Vol. **5** (2010) pp. 505-511.
15. K. F. Allison and Z. L. Mišković, “Friction force on slow charges moving over supported graphene”, *Nanotechnology*, Vol. **21** (2010) 134017 (9 pp).
16. M. Ghaznavi, Z. L. Mišković, and F. O. Goodman, “Nonlinear screening of external charge by doped graphene”, *Physical Review B*, Vol. **81** (2010) 085416 (12 pp).
17. N. Upadhyaya, L.-J. Hou, and Z. L. Mišković, “Structure of 2D dusty plasmas in the presence of perpendicular ion flow”, *Physics Letters A*, Vol. **374** (2010) pp. 1379-1383.
18. K. F. Allison, D. Borka, I. Radović, Lj. Hadžievski, and Z. L. Mišković, “Dynamic polarization of graphene by moving external charges: random phase approximation”, *Physical Review B*, Vol. **80** (2009) 195405 (13 pp).
19. I. Radović, Lj. Hadžievski, N. Bibić, and Z. L. Mišković, “Non-linear effects in the forces acting on fast charged particles passing over two-dimensional electron gas”, *Materials Chemistry and Physics*, Vol. **118** (2009) pp. 293-297.
20. I. Radović, Lj. Hadžievski, N. Bibić, and Z. L. Mišković, “Interactions of fast ions with graphene”, *Hemijska Industrija*, Vol. **63** (2009) pp. 151-157.
21. L.-J. Hou, P. K. Shukla, A. Piel, and Z. L. Mišković, “Wave spectra of two-Dimensional Yukawa solids and liquids in the presence of a magnetic field ”, *Physics of Plasmas*, Vol. **16** (2009) 073704 (8 pp).
22. L.-J. Hou, Z. L. Mišković, A. Piel, and P. K. Shukla, “Brownian Dynamics of Charged Particles in a Constant Magnetic Field”, *Physics of Plasmas*, Vol. **16** (2009) 053705 (12 pp).
23. L.-J. Hou, Z. L. Mišković, A. Piel, and M. S. Murillo, “Wave Spectra of Two-Dimensional Dusty Plasma Solids and Liquids”, *Physical Review E*, Vol. **79** (2009) 046412 (11 pp).
24. D. Borka, D. J. Mowbray, Z. L. Mišković, S. Petrović, and N. Nešković, “Channeling of Protons Through Carbon Nanotubes Embedded in Dielectric Media”, *Journal of Physics: Condensed Matter*, Vol. **20** (2008) 474212 (10 pp).
25. L.-J. Hou and Z. L. Mišković, “Image Force on a Charged Projectile Moving over a 2D Strongly Coupled Yukawa System”, *Physical Review E*, Vol. **77** (2008) 046401 (7 pp).
26. D. Borka, D. J. Mowbray, Z. L. Mišković, S. Petrović, and N. Nešković, “Dynamic Polarization Effects on the Angular Distributions of Protons Channeled Through Carbon Nanotubes in Dielectric Media”, *Physical Review A*, Vol. **77** (2008) 032903 (13 pp).
27. I. Radović, Lj. Hadžievski, and Z. L. Mišković, “Polarization of Supported Graphene by Slowly Moving Charges”, *Physical Review B*, Vol. **77** (2008) 075428 (9 pp).

28. I. Radović, Lj. Hadžievski, N. Bibić, and Z. L. Mišković, “Dynamic-polarization Forces on Fast Ions and Molecules Moving over Supported Graphene”, *Physical Review A*, Vol. **76** (2007) 042901 (9 pp).
29. D. J. Mowbray, S. Chung, Z. L. Mišković, and F. O. Goodman, “Channeling of Dipolar Molecules through Carbon Nanotubes”, *Nanotechnology*, Vol. **18** (2007) 424034 (6 pp).
30. D. J. Mowbray, J. Zuloaga, Z. L. Mišković, and F. O. Goodman, “Stopping Power for Ion Channeling through Carbon Nanotubes”, *Radiation Effects and Defects in Solids*, Vol. **162** (2007) pp. 523-530.
31. Z. L. Mišković, “Ion Channeling through Carbon Nanotubes” (invited review), *Radiation Effects and Defects in Solids*, Vol. **162** (2007) pp. 185-205.
32. Z. L. Mišković, Y.-N. Wang, and Y.H. Song, “Dynamics of Fast Molecular Ions in Solids and Plasmas: A Review of Recent Theoretical Developments” (invited review), *Nuclear Instruments and Methods in Physics Research B*, Vol. **256** (2007) pp. 57-65.
33. D. J. Mowbray, Z. L. Mišković, and F. O. Goodman, “Dynamic Interactions of Fast Ions with Carbon Nanotubes in Water”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **256** (2007) pp. 167-171.
34. J. Zuloaga, Z. L. Mišković, and F. O. Goodman, “Energy Loss and Deflection of Fast Ions under Glancing Incidence upon a Graphene Sheet”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **256** (2007) pp. 162-166.
35. D. Borcka, S. Petrović, N. Nešković, D. J. Mowbray, and Z. L. Mišković, “Influence of the Dynamic Polarization Effect on the Angular Distributions of Protons Channeled in Double-Wall Carbon Nanotubes”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **256** (2007) pp. 131-136.
36. S. Chung, D. J. Mowbray, Z. L. Mišković, F. O. Goodman and Y.-N. Wang, “Dynamic Interactions of Fast Ions with Multiwalled Carbon Nanotubes”, *Radiation Physics and Chemistry*, Vol. **76** (2007), pp. 524-528.
37. L.-J. Hou, Z. L. Mišković, K. Jiang, and Y.-N. Wang, “Energy Loss of a Charged Particle Moving over a Two-Dimensional Strongly Coupled Dusty Plasma”, *Physical Review Letters*, Vol. **96** (2006) 255005 (4 pp).
38. D. J. Mowbray, Z. L. Mišković, and F. O. Goodman, “Ion Interactions with Carbon Nanotubes in Dielectric Media”, *Physical Review B*, Vol. **74** (2006) 195435 (13 pp).
39. D. Borcka, S. Petrović, N. Nešković, D. J. Mowbray, and Z. L. Mišković, “Influence of the Dynamical Image Potential on the Rainbows in Ion Channeling through Short Carbon Nanotubes”, *Physical Review A*, Vol. **73** (2006) 062902 (8 pp).
40. D.-P. Zhou, Y.H. Song, Y.-N. Wang, and Z. L. Mišković, “Coulomb Explosions and Stopping of Molecular Ions Channeled through Carbon Nanotubes”, *Physical Review A*, Vol. **73** (2006) 033202 (8 pp).

41. K. Jiang, L.-J. Hou, Y.-N. Wang, and Z. L. Mišković, “Excitation of Mach Cones and Energy Dissipation by Charged Particles Moving over Two-dimensional Strongly Coupled Plasmas”, *Physical Review E*, Vol. **73** (2006) 016404 (12 pp).
42. D.-P. Zhou, Y.-N. Wang, L. Wei and Z. L. Mišković, “Dynamic Polarization Effects in Ion Channeling through Single-Wall Carbon Nanotubes”, *Physical Review A*, Vol. **72** (2005) 023202 (7 pp).
43. Y.-H. Song, Y.-N. Wang and Z. L. Mišković, “ Vicinage Effects in Energy Loss and Electron Emission during Grazing Scattering of Heavy Molecular Ions from Solid Surface”, *Physical Review A*, Vol. **72** (2005) 012903 (8 pp).
44. L.-J. Hou, Y.-N. Wang, and Z. L. Mišković, “Formation and Rotation of Two-Dimensional Coulomb Crystals in a Magnetized Complex Plasma”, *Physics of Plasmas*, **12** (2005) 042104 (9 pp).
45. G.-Q. Wang, Y.-N. Wang and Z. L. Mišković, “Coulomb Explosion and Energy Loss of Fast C₆₀ Clusters in Plasmas”, *Physics of Plasmas* **12** (2005) 042702 (8 pp).
46. Z. L. Mišković, F. O. Goodman, Y.-H. Song and Y.-N. Wang, “Stochastic Effects of Charge Transfer on Image Interaction and Plasmon Excitation in Ion-Surface Grazing Scattering”, *Nuclear Instruments and Methods in Physics Research B* **230**, (2005), pp. 391-397.
47. Y.-H. Song, Y.-N. Wang and Z. L. Mišković, “Theoretical Study of Swift Molecular Ions Specularly Reflected from Solid Surfaces under Glancing-Angle Incidence”, *Nuclear Instruments and Methods in Physics Research B* **230**, (2005), pp. 158-164.
48. D. J. Mowbray, S. Chung, Z. L. Mišković, F. O. Goodman and Y.-N. Wang, “Dynamic Interactions of Fast Ions with Carbon Nanotubes”, *Nuclear Instruments and Methods in Physics Research B* **230**, (2005), pp. 142-147.
49. L.-J. Hou, Y.-N. Wang and Z. L. Mišković, “Theoretical Study of Laser-Excited Mach Cones in Dusty Plasmas”, *Physical Review E*, Vol. **70** (2004) 056406 (9 pp).
50. L.-J. Hou, Y.-N. Wang and Z. L. Mišković, “Two-Dimensional Fluid Simulation of Collisional Plasma Sheath over rf Powered Electrode with Cylindrical Hole”, *Plasma Science and Technology*, Vol. **6** (2004), pp. 2404-2410.
51. L.-J. Hou, Y.-N. Wang and Z. L. Mišković, “Two-dimensional Radio-Frequency Sheath Dynamics over a Nonflat Electrode with Perpendicular Magnetic Field”, *Physics of Plasmas*, Vol. **11** (2004), pp. 4456-4461.
52. D. J. Mowbray, Z. L. Mišković, F. O. Goodman and Y.-N. Wang, “Interactions of Fast Ions with Carbon Nanotubes: Two-Fluid Model”, *Physical Review B*, Vol. **70** (2004) 195418 (7 pp).
53. D. J. Mowbray, Z. L. Mišković, F. O. Goodman and Y.-N. Wang, “Wake Effects in Interactions of Fast Ions with Carbon Nanotubes”, *Physics Letters A*, Vol. **329** (2004), pp. 94-99.

54. H.-W. Li, Y.-N. Wang and Z. L. Mišković, “Interactions of Fast C₂₀ Clusters with Solids: Coulomb Explosions, Charge States, and Energy Losses”, *Journal of Physics: Condensed Matter*, Vol. **16** (2004), pp. 1231-1244.
55. Y.-N. Wang and Z. L. Mišković, “Interactions of Fast Ions with Carbon Nanotubes: Self-Energy and Stopping Power”, *Physical Review A*, Vol. **69** (2004) 022901 (6 pp).
56. G.-Q. Wang, Y.-N. Wang and Z. L. Mišković, “Coulomb Explosions and Energy Loss of Molecular Ions in Plasmas”, *Physical Review E*, Vol. **68** (2003) 036405 (7 pp).
57. Y.-H. Song, Y.-N. Wang and Z. L. Mišković, “Kinetic Electron Emission Induced by Grazing Scattering of Heavy Ions from Metal Surfaces”, *Physical Review A*, Vol. **68** (2003) 022903 (8 pp).
58. L.-J. Hou, Y.-N. Wang and Z. L. Mišković, “Induced Potential of a Dust Particle in a Collisional Radio-Frequency Sheath”, *Physical Review E*, Vol. **68** (2003) 016410 (7 pp).
59. Z. L. Mišković, T. L. Wilson and Y.-N. Wang, “Feedback Action of Vicinage Effect in Cluster Stopping via Non-Homogeneous Charge Reduction”, *Physical Review A*, Vol. **67** (2003) 022903 (5 pp).
60. Z. L. Mišković, F. O. Goodman, W.-K. Liu and Y.-N. Wang, “Stochastic Treatment of Non-Equilibrium Ion Stopping in Solids”, *Physical Review A*, Vol. **67** (2003) 012902 (7 pp).
61. Y.-N. Wang and Z. L. Mišković, “Energy Loss of Charged Particles Moving in Cylindrical Tubules”, *Physical Review A*, Vol. **66** (2002), pp. 042904 (7 pp).
62. G.-Q. Wang, Y.-H. Song, Y.-N. Wang and Z. L. Mišković, “Influence of a Laser Field on Coulomb Explosions and Stopping Power for Swift Molecular Ions Interacting with Solids”, *Physical Review A*, Vol. **66** (2002) 042901 (11 pp).
63. Z. L. Mišković, F. O. Goodman and W.-K. Liu, “Fluctuating Charge-State Effects on Energy Spectra of Fast Ions in Solids”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **193** (2002), pp. 26-29.
64. Z. L. Mišković, W.-K. Liu, F. O. Goodman and Y.-N. Wang, “Spatial Distribution of Ion Charges in Fast, Partially Stripped Clusters Traversing Solid Targets”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **193** (2002), pp. 221-226.
65. H.-W. Li, Y.-N. Wang and Z. L. Mišković, “Influence of Wake-Potential Asymmetry on Charge States and Coulomb Explosion of Fast Molecular Ions in Solids”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **193** (2002), pp. 204-208.
66. L.-J. Hou, Y.-N. Wang and Z. L. Mišković, “Wake Effects on Vertical Alignment of Two Dust Particles in a RF Plasma Sheath”, *Physics Letters A*, Vol. **292** (2001), pp. 129-133.
67. Z. L. Mišković, W.-K. Liu, F. O. Goodman and Y.-N. Wang, “Ion-Charge Distribution in Fast, Partially Stripped Clusters Passing Thin Foils”, *Physical Review A*, Vol. **64** (2001) 064901 (4 pp).

68. L.-J. Hou, Y.-N. Wang and Z. L. Mišković, “Interaction Potential among Dust Grains in Plasma with Ion Flow”, *Physical Review E*, Vol. **64** (2001) 046406 (7 pp).
69. Y.-H. Song, Y.-N. Wang and Z. L. Mišković, “Influence of Laser Field on Stopping Power of Energetic Ions in Solids”, *Physics Letters A*, Vol. **285** (2001), pp. 183-190.
70. Z. L. Mišković, S. G. Davison, F. O. Goodman, W.-K. Liu and Y.-N. Wang, “Stopping Power of Fast, Partially Stripped Molecules and Clusters: Vicinage Effects in Charge States”, *Physical Review A*, Vol. **63** (2001) 022901 (9 pp).
71. Y.-H. Song, Y.-N. Wang and Z. L. Mišković, “Energy Loss of Heavy Ions Specularly Reflected from Surfaces under Glancing-Angle Incidence”, *Physical Review A*, Vol. **63** (2001) 052902 (8 pp).
72. S. G. Davison, K. W. Sulston, Z. L. Mišković and F. O. Goodman, “Surface States in Electrochemisorption”, *Progress in Surface Science*, Vol. **67** (2001), pp. 259-269.
73. Z. L. Mišković, S. G. Davison, F. O. Goodman, W.-K. Liu and Y.-N. Wang, “Vicinage Effect on the Charge State of Fast Clusters in Solids”, *Physical Review A*, Vol. **61** (2000) 062901 (4 pp).
74. Y.-N. Wang, H.-T. Qiu and Z. L. Mišković, “Coulomb Explosion Patterns of Fast C₆₀ Clusters in Solids”, *Physical Review Letters*, Vol. **85** (2000), pp. 1448-1451.
75. Z. L. Mišković, S. G. Davison, F. O. Goodman and W.-K. Liu, “Stochastic Treatment of Charge States for Ion Stopping in Solids”, *Physical Review B*, Vol. **60** (1999), pp. 14478-14480.
76. Y.-N. Wang, Y.-H. Song, Z. L. Mišković and W.-K. Liu, “Coulomb Explosion Patterns for Swift Hydrogen Molecular Ions Penetrating through Solids”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **153** (1999), pp. 26-30.
77. Z. L. Mišković, S. G. Davison and F. O. Goodman, “Statistical Properties of Local Work Function on Stepped Surfaces”, *Physical Review B*, Vol. **60** (1999), pp. 2025-2032.
78. Z. L. Mišković, W.-K. Liu and Y.-N. Wang, “Multiple Scattering Effects on Stopping Power of Large Clusters in Solids”, *Physical Review A*, Vol. **58** (1998), pp. 2191-2195.
79. Y.-N. Wang, Z. L. Mišković and W.-K. Liu, “Dynamical Interaction Effects on Coulomb Explosion of H₂⁺ at Glancing-Angle Incidence on Solid Surfaces”, *Physical Review A*, Vol. **58** (1998), pp. 1287-1295.
80. Z. L. Mišković, W.-K. Liu and Y.-N. Wang, “Self-Energy and Stopping Power of Large Energetic Clusters in Solids: Implications to Coulomb Explosion”, *Physical Review A*, Vol. **57** (1998), pp. 362-368.
81. R. A. English, S. G. Davison, Z. L. Mišković and F. O. Goodman, “Applied-Field Effects on Molecular Switches”, *Journal of Physics: Condensed Matter*, Vol. **10** (1998), pp. 4423-4434.

82. S. G. Davison, Z. L. Mišković, F. O. Goodman and R. A. English, "Surface States of Electrified Binary Semiconductors", *Progress in Surface Science*, Vol. **59** (1998), pp. 225-232.
83. S. G. Davison, R. A. English, Z. L. Mišković, F. O. Goodman, A. T. Amos and B. L. Burrows, "Recursive Green-Function Study of Wannier-Stark Effect in Tight-Binding Systems", *Journal of Physics: Condensed Matter*, Vol. **9** (1997), pp. 6371-6382.
84. Z. L. Mišković, R. A. English, S. G. Davison and F. O. Goodman, "Transmission Properties of Coupled Atomic Wires", *Journal of Physics: Condensed Matter*, Vol. **9** (1997), pp. 10749-10760.
85. R. A. English, S. G. Davison, Z. L. Mišković, F. O. Goodman, A. T. Amos and B. L. Burrows, "Chemisorption on Electrified Substrates", *Progress in Surface Science*, Vol. **54** (1997), pp. 241-248.
86. Z. L. Mišković, R. A. English, S. G. Davison and F. O. Goodman, "Many-Neighbor Treatment of Molecular-Switch Transmission", *Chemical Physics Letters*, Vol. **260** (1996), pp. 647-652.
87. R. A. English, S. G. Davison, Z. L. Mišković, F. O. Goodman, A. T. Amos and B. L. Burrows, "Wannier-Stark Effect on Surface States", *Progress in Surface Science*, Vol. **53** (1996), pp. 323-330.
88. Z. L. Mišković, R. A. English, S. G. Davison and F. O. Goodman, "Transmission of Double-Impurity Atomic Switches", *Physical Review B*, Vol. **54** (1996), pp. 255-260.
89. R. A. English, Z. L. Mišković, S. G. Davison and F. O. Goodman, "Tight-Binding Study of Interaction Time in Molecular Switches", *Physical Review B*, Vol. **54** (1996), pp. 10-13.
90. Z. L. Mišković, S. G. Davison and F. O. Goodman, "Electron Emission via Auger Ion Neutralization at Surfaces with Adsorbed Alkali Submonolayers", *Physical Review B*, Vol. **52** (1995), pp. 16912-16915.
91. S. G. Davison, Z. L. Mišković, A. T. Amos, B. L. Burrows, F. O. Goodman and K. W. Sulston, "A Short Story of SIN", *Progress in Surface Science*, Vol. **48** (1995), pp. 193-206.
92. Z. L. Mišković, S. G. Davison and F. O. Goodman, "Statistical Treatment of Adsorbate Effects on Charge Transfer in Ion-Surface Collisions", *Nuclear Instruments and Methods in Physics Research B*, Vol. **100** (1995), pp. 431-437.
93. B. L. Burrows, A. T. Amos, Z. L. Mišković and S. G. Davison, "Many-Electron Theory of Auger Surface-Ion Neutralization", *Physical Review B*, Vol. **51** (1995), pp. 1409-1419.
94. Z. L. Mišković, S. G. Davison, F. O. Goodman, and R. A. English, "Influence of the Adsorbed Layer Randomness on Charge Transfer in Alkali-Metal Adsorption on Metal Surfaces", *Physical Review B*, Vol. **50** (1994), pp. 17690-17692.
95. A. Hegmann, R. Zimny, H. W. Ortjohann, H. Winter and Z. L. Mišković, "Angle-Resolved Emission of Low-Energy Electrons in Grazing Collisions of Protons with an Al(111)-Surface", *Europhysics Letters*, Vol. **26** (1994), pp. 383-388.

96. Z. L. Mišković, B. L. Burrows, A. T. Amos and S. G. Davison, “Dynamical Aspects of Auger Neutralization in Slow Ion-Surface Collisions”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **90** (1994), pp. 291-294.
97. Z. L. Mišković, S. G. Davison and F. O. Goodman, “Stochastic Treatment of Adsorbate Local-Potential Effects on Surface-Ion Neutralization”, *Physical Review Letters*, Vol. **71** (1993), pp. 4075-4078.
98. Z. L. Mišković, B. L. Burrows, A. T. Amos and S. G. Davison, “Auger Neutralization in Ion-Surface Collisions: Many-Electron Theory versus Rate-Equation Approach”, *Solid State Communications*, Vol. **87** (1993), pp. 883-887.
99. R. Zimny, Z. L. Mišković, N. N. Nedeljković and Lj. D. Nedeljković, “Interplay of Resonant and Auger Processes in Proton Neutralization after Grazing Surface Scattering”, *Surface Science*, Vol. **255** (1991), pp. 135-156.
100. N. N. Nedeljković, Lj. D. Nedeljković, R. K. Janev and Z. L. Mišković, “A Molecular Model of Proton Neutralization Dynamics at Solid Surface: the Intermediate Velocity Region”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **58** (1991), pp. 519-530.
101. R. Zimny and Z. L. Mišković, “Auger Neutralization and Ionization in Grazing Ion-Surface Interaction”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **58** (1991), pp. 387-392.
102. Z. L. Mišković and R. K. Janev, “Auger Neutralization and Electron Emission during Grazing Scattering of Fast Ions from Surfaces”, *Nuclear Instruments and Methods in Physics Research B*, Vol. **48** (1990), pp. 367-370.
103. Z. L. Mišković and R. K. Janev, “Effects of Parallel Velocity on Auger Electron Transitions in Ion (Atom) Grazing Scattering from Surfaces”, *Surface Science*, Vol. **221** (1989), pp. 317-334.
104. Z. L. Mišković and J. V. Vukanić, “A Semiclassical Treatment of Ion Dynamics in Electron Stimulated Desorption”, *Surface Science*, Vol. **218** (1989), pp. 389-405.
105. Z. Mišković, J. Vukanić and T. E. Madey, “Calculations of Reneutralization Effects in ESDIAD”, *Surface Science*, Vol. **169** (1986), pp. 405-413.
106. Z. L. Mišković and R. K. Janev, “Dynamical Effects in Kinetic Energy Distributions of Auger Electrons from Ion (Atom)–Surface Interactions”, *Surface Science*, Vol. **166** (1986), pp. 480-494.
107. Z. Mišković, J. Vukanić and T. E. Madey, “Influence of the Image Interaction on Ion Desorption Processes”, *Surface Science*, Vol. **141** (1984), pp. 285-300.

(b) Refereed conference proceedings

1. I. Radović, N. Bibić, and Z. L. Mišković, “Interactions of ions with graphene” (invited progress report), *Journal of Physics: Conference series*, Vol. **257** (2010) 012011 (8 pp).
2. Z. L. Mišković, “Interactions of Ions with Carbon Nano-structures” (invited lecture), *Journal of Physics: Conference Series*, Vol. **133** (2008) 012011 (11 pp).

3. D. Borka, D. J. Mowbray, Z. L. Mišković, S. Petrović, N. Nešković, “Channeling of Protons Through Carbon Nanotubes” (invited progress report), *Journal of Physics: Conference series*, Vol. **133** (2008) 012015 (8 pp).
4. D. J. Mowbray, S. Chung and Z. L. Mišković, “Hydrodynamic Modeling of Fast Ion Interactions with Carbon Nanotubes”, in: *Carbon Nanotubes*, Eds. P. Lambin and V. Popov (Springer, Dordrecht, 2006), pp. 176-177.
5. Z. Mišković, “Influence of Dynamical Effects on Spectral Properties of Auger Electrons Emitted during Ion-Surface Scattering”, in: *Studies in Surface Science and Catalysis*, Vol. **36**: “Physics of Solid Surfaces 1987”, Ed. J. Koukal (Elsevier, Amsterdam, 1988), pp. 333-335.
6. T. E. Madey, C. Benndorf, N. D. Shinn, Z. Mišković and J. Vukanić, “Recent Advances Using ESDIAD: Applications to Surface Chemistry” (invited review), in: *Springer Series in Surface Sciences*, Vol. **4**: “Desorption Induced by Electronic Transitions DIET-II”, Eds. W. Brenig and D. Menzel (Springer-Verlag, Berlin, 1985), pp. 104-115.

(c) Book chapters

1. I. Villo-Perez, Z. L. Mišković, and N. R. Arista, “Plasmon spectra of nano-structures: a hydrodynamic model”, in: *Trends in Nanoscience: Theory, Experiment, Technology*, Eds. A. Aldea and V. Barsan, (Springer, Berlin, 2010), pp. 217-257.
2. S. G. Davison, Z. L. Mišković, A. T. Amos, B. L. Burrows, F. O. Goodman and K. W. Sulston, “Many-Electron Theory of Charge-Transfer Processes in Particle-Surface Scattering”, in: *Electronic Processes at Solid Surfaces*, Eds. E. Ilisca and K. Makoshi, (World Scientific Publishers, Singapore, 1996), pp. 107-167.

(d) Invited papers in non-refereed publications

1. Z. L. Mišković, T. L. Wilson and Y.-N. Wang, “Non-Stationary and Vicinage Effects on Charge State of Fast Atomic and Cluster Ions in Thin Foils” (topical invited lecture), in: *The Physics of Ionized Gases, 21st SPIG*, Eds. N. Bibic, T. Grozdanov, and M. Radovic, (published by: Vinca Institute of Nuclear Sciences, Belgrade, Serbia and Montenegro, 2003), pp. 207-218: Book of Invited Lectures, Topical Invited Lectures and Progress Reports, presented at the 21st Summer School and International Symposium on the Physics of Ionized Gases (SPIG), Sokobanja, Serbia and Montenegro, August 26-30, 2002.
2. Z. L. Mišković, F. O. Goodman, S. G. Davison, W.-K. Liu and Y.-N. Wang, “Interaction of Fast Clusters with Solids” (invited lecture), in: *The Physics of Ionized Gases, 20th SPIG*, Eds. N. Konjević, Z. Lj. Petrović, and G. Malović, (published in: SFIN, Year XIV, Series A, No. A1, Institute of Physics, Belgrade, 2001), pp. 213-232: Book of Invited Lectures and Progress Reports, presented at the 20th Summer School and International Symposium on the Physics of Ionized Gases (SPIG), Zlatibor, Yugoslavia, September 4-8, 2000.
3. Z. L. Mišković, F. O. Goodman and S. G. Davison, “Influence of Adsorbed Layer Structure on Electron Transitions in Slow Ion-Surface Collisions” (invited lecture), in: *The Physics of Ionized Gases, 18th SPIG*, Eds. B. Vujičić, S. Djurić and J. Purić, (published by: Institute of Physics, Novi Sad, 1997), pp. 213-227; Book of Invited Lectures and Progress Reports,

presented at the 18th Summer School and International Symposium on the Physics of Ionized Gases (SPIG), Kotor, Yugoslavia, September 2-6, 1996.

4. Z. L. Mišković, “Auger Electron Transitions and Secondary Electron Emission in Grazing Scattering of Ions from Metal Surfaces” (progress report), University of Belgrade, *Publications of the Faculty of Electrical Engineering*, Series: Engineering Physics, Ed. B. V. Stanić, Vol. **2** (1992), <http://mtf.etf.bg.ac.yu/publikacije/pubetf/index.html>.
5. Z. L. Mišković, “Dynamics of Auger Electron Transitions in Ion (Atom) Grazing Scattering from Surfaces” (progress report), in: *The Physics of Ionized Gases SPIG-90*, Ed. D. Veža, (published by: Nova Science Publishers, New York, 1995), pp. 285-294; Book of Invited Lectures and Progress Reports, presented at the XV Summer School and International Symposium on the Physics of Ionized Gases (SPIG), Dubrovnik, Yugoslavia, September 3-7, 1990.

Signature

Zoran Miskovic,

Waterloo, 25 February 2013.