Ivanka Milosevic

List of Publications by Year
in descending order

61	668	13	24
papers	citations	h-index (687363)	g-index (610901)

61	61	61	724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Raman scattering of the MoS2 and WS2 single nanotubes. Surface Science, 2007, 601, 2868-2872.	1.9	121
2	Electronic properties and optical spectra of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">W</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2	3.2	68
3	Normal vibrations and Jahn-Teller effect for polymers and quasi-one-dimensional systems. Physical Review B, 1993, 47, 7805-7818.	3.2	50
4	Interaction between layers of the multi-wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 259-268.	2.7	40
5	The radial breathing mode frequency in double-walled carbon nanotubes: an analytical approximation. Physica Status Solidi (B): Basic Research, 2003, 237, R7-R10.	1.5	38
6	Phonons in narrow carbon nanotubes. Physical Review B, 2005, 72, .	3.2	26
7	Symmetryâ€based Study of MoS₂ and WS₂ Nanotubes. Israel Journal of Chemistry, 2017, 57, 450-460.	2.3	23
8	Zeromphonons inMoS2nanotubes. Physical Review B, 2005, 71, .	3.2	21
9	Full symmetry implementation in condensed matter and molecular physicsâ€"Modified group projector technique. Physics Reports, 2015, 581, 1-43.	25.6	21
10	Chirality dependence of the radial breathing mode: a simple model. Journal of Physics Condensed Matter, 2004, 16, L505-L508.	1.8	18
11	Symmetry-based calculations of optical absorption in narrow nanotubes. Physical Review B, 2004, 69, .	3.2	15
12	Symmetry of zinc oxide nanostructures. Journal of Physics Condensed Matter, 2006, 18, 1939-1953.	1.8	15
13	Electronic Properties of Strained Carbon Nanotubes: Impact of Induced Deformations. Journal of Physical Chemistry C, 2015, 119, 13922-13928.	3.1	15
14	Structure and stability of coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2012, 249, 2442-2445.	1.5	14
15	Plasmon excitations of single-wall carbon nanotubes. Physical Review B, 2008, 77, .	3.2	13
16	Phonon transport in helically coiled carbon nanotubes. Carbon, 2014, 77, 281-288.	10.3	13
17	Phonons in MoS₂and WS₂Nanotubes. Materials and Manufacturing Processes, 2008, 23, 579-582.	4.7	12
18	Diffraction from quasi-one-dimensional crystals. Physical Review B, 2009, 79, .	3.2	12

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19	Second-rank tensors for quasi-one-dimensional systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 204, 63-66.	2.1	11
20	Symmetry based analysis of the Kohn anomaly and electron-phonon interaction in graphene and carbon nanotubes. Physical Review B, 2010, 81, .	3.2	9
21	Symmetry properties of ZnO nanorods and nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 1750-1756.	1.5	8
22	Optical properties of photodetectors based on wurtzite quantum dot arrays. Physical Review B, 2008, 77, .	3.2	7
23	Kohn anomaly in graphene. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 510-511.	3.5	7
24	Natural torsion in chiral single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2012, 24, 485302.	1.8	7
25	Raman Intensities of Totally Symmetrical Modes of Homogeneously Deformed Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 20576-20584.	3.1	7
26	Symmetry of rolled-up rectangular lattice nanotubes. Journal of Physics Condensed Matter, 2006, 18, 8139-8147.	1.8	6
27	Anisotropy of thermal expansion of helically coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2535-2538.	1.5	6
28	Magnetic line groups. II. Corepresentations of the magnetic line groups isogonal to the point groupsCn,S2n, andCnh. Physical Review B, 1989, 39, 4610-4619.	3.2	5
29	Molien functions and commensurability of the helicoidal ordering. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 216, 307-312.	2.1	5
30	Irreducible and site-symmetry-induced representations of single/double ordinary/grey layer groups. Acta Crystallographica Section A: Foundations and Advances, 2022, 78, 107-114.	0.1	5
31	Generalized Bloch states and potentials of nanotubes and other quasi-1D systems II. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 125202.	2.1	4
32	ELECTRON-PHONON COUPLING IN GRAPHENE. International Journal of Modern Physics B, 2010, 24, 655-660.	2.0	4
33	Synthesis, Model and Stability of Helically Coiled Carbon Nanotubes. ECS Solid State Letters, 2012, 2, M21-M23.	1.4	4
34	Structural model of semi-metallic carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2627-2630.	1.5	4
35	Magnetic line groups. III. Corepresentations of the magnetic line groups isogonal to the point groupsDn,Cnv,Dnd, andDnh. Physical Review B, 1991, 43, 13482-13500.	3.2	3
36	On the Pentaheptite Nanotubes. Materials and Manufacturing Processes, 2009, 24, 1124-1126.	4.7	3

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37	Optical properties of coiled carbon nanotubes: A simple model. Physica Status Solidi (B): Basic Research, 2011, 248, 2585-2588.	1.5	3
38	Electronic Band Structure of Coiled Carbon Nanotubes. Acta Physica Polonica A, 2011, 120, 221-223.	0.5	3
39	Diffraction from transition metal chalcogenide nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1590-1593.	3.5	2
40	Rigidâ€Unit Modes in Layers and Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1800196.	1.5	2
41	Symmetry of rigid-layer modes: Raman and infrared activity. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113613.	2.7	2
42	Strain Engineering of Electronic Band Structure and Optical Absorption Spectra of Helically Coiled Carbon Nanotubes. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 160-164.	0.5	2
43	Diffraction from WS2and MoS2Nanotubes. Acta Physica Polonica A, 2011, 120, 224-226.	0.5	2
44	Elementary band representations for (double)-line groups. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 455204.	2.1	2
45	Diffraction from quasi oneâ€dimensional crystals and nanotubes. Physica Status Solidi (B): Basic Research, 2009, 246, 2631-2636.	1.5	1
46	Symmetry-based analysis of the electron-phonon interaction in graphene. Physica Status Solidi (B): Basic Research, 2009, 246, 2606-2609.	1.5	1
47	Conductivity of pentaheptite and mechanically deformed carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 494-496.	3.5	1
48	Symmetry of chiral nanotubes: Natural torsion and diffraction evidence. Physica Status Solidi (B): Basic Research, 2012, 249, 2446-2449.	1.5	1
49	Mechanical coupling in homogeneously deformed single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2013, 25, 145301.	1.8	1
50	Crossover from ballistic to diffusive thermal conductance in helically coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2014, 251, 2401-2406.	1.5	1
51	Strainâ€and torsionâ€induced resonance energy tuning of Raman scattering in singleâ€wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2016, 253, 2391-2395.	1.5	1
52	Symmetryâ€Based Electronâ€"Phonon Decoupling and Jahnâ€"Teller Theorem Violation in Specific Crystalline Structures. Physica Status Solidi (B): Basic Research, 2019, 256, 1900242.	1.5	1
53	Electronic Band Topology of Monoclinic MoS 2 Monolayer: Study Based on Elementary Band Representations for Layer Groups. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000351.	2.4	1
54	Electron-phonon (de)coupling in 2D. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114468.	2.7	1

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55	Symmetry Breaking Breaks Friction. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 237-240.	0.4	0
56	Wignerâ€"Eckart Theorem in the Inductive Spaces. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 297-300.	0.4	0
57	Pentaheptite Allotropes of Carbon Nanotubes. ECS Transactions, 2007, 6, 41-46.	0.5	0
58	Detail study of the Ramanâ€active modes in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 4275-4278.	1.5	0
59	DIFFRACTION FROM NANOTUBES AND QUASI ONE-DIMENSIONAL CRYSTALS. International Journal of Modern Physics B, 2010, 24, 661-666.	2.0	0
60	Diffraction from carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 497-499.	3.5	0
61	Electro-Optical Properties and Raman Excitation Profiles of Deformed Carbon Nanotubes. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 193-197.	0.5	0