Milan Damnjanovic

List of Publications by Year
in descending order

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76 papers	901 citations	567281 15 h-index	501196 28 g-index
79 all docs	79 docs citations	79 times ranked	822 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	Phonon dispersion of carbon nanotubes. Solid State Communications, 2002, 121, 471-474.	1.9	68
3	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
4	Optical dichroism in nanotubes. Physical Review B, 2000, 62, 6971-6974.	3.2	56
5	Normal vibrations and Jahn-Teller effect for polymers and quasi-one-dimensional systems. Physical Review B, 1993, 47, 7805-7818.	3.2	50
6	Interaction between layers of the multi-wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 259-268.	2.7	40
7	Magnetic line groups. Physical Review B, 1982, 25, 6987-6994.	3.2	39
8	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
9	Phonons in narrow carbon nanotubes. Physical Review B, 2005, 72, .	3.2	26
10	Symmetryâ€based Study of MoS₂ and WS₂ Nanotubes. Israel Journal of Chemistry, 2017, 57, 450-460.	2.3	23
11	Zeromphonons inMoS2nanotubes. Physical Review B, 2005, 71, .	3.2	21
12	Full symmetry implementation in condensed matter and molecular physicsâ€"Modified group projector technique. Physics Reports, 2015, 581, 1-43.	25.6	21
13	Chirality dependence of the radial breathing mode: a simple model. Journal of Physics Condensed Matter, 2004, 16, L505-L508.	1.8	18
14	Standard components of polar and axial vectors for quasi one-dimensional systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 94, 337-339.	2.1	15
15	Symmetry-based calculations of optical absorption in narrow nanotubes. Physical Review B, 2004, 69, .	3.2	15
16	Symmetry of zinc oxide nanostructures. Journal of Physics Condensed Matter, 2006, 18, 1939-1953.	1.8	15
17	Electronic Properties of Strained Carbon Nanotubes: Impact of Induced Deformations. Journal of Physical Chemistry C, 2015, 119, 13922-13928.	3.1	15
18	Structure and stability of coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2012, 249, 2442-2445.	1.5	14

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19	Phonon transport in helically coiled carbon nanotubes. Carbon, 2014, 77, 281-288.	10.3	13
20	Phonons in MoS₂and WS₂Nanotubes. Materials and Manufacturing Processes, 2008, 23, 579-582.	4.7	12
21	Spinâ€“Orbit Effects in MoS₂ Nanotubes. Journal of Physical Chemistry C, 2020, 124, 11141-11149.	3.1	9
22	Nanotubes. Lecture Notes in Physics, 2010, , 143-169.	0.7	9
23	Symmetry properties of ZnO nanorods and nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 1750-1756.	1.5	8
24	Diffraction intensity and symmetry of single-wall carbon nanotubes. Nanotechnology, 2007, 18, 375708.	2.6	7
25	Kohn anomaly in graphene. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 510-511.	3.5	7
26	Natural torsion in chiral single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2012, 24, 485302.	1.8	7
27	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
28	Maximal equitranslational subgroups of the line groups. Journal of Physics C: Solid State Physics, 1982, 15, 2321-2326.	1.5	6
29	A note on the LÃ¼ders-Von Neuman formula of collapse. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 99, 22-24.	2.1	6
30	Symmetry of rolled-up rectangular lattice nanotubes. Journal of Physics Condensed Matter, 2006, 18, 8139-8147.	1.8	6
31	Anisotropy of thermal expansion of helically coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2535-2538.	1.5	6
32	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
33	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
34	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
35	A classification of the quantum mechanical measurements. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 117, 53-56.	2.1	4
36	Mixing character and quantum mechanical processes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 114, 113-114.	2.1	4

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37	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
38	ELECTRON-PHONON COUPLING IN GRAPHENE. International Journal of Modern Physics B, 2010, 24, 655-660.	2.0	4
39	Synthesis, Model and Stability of Helically Coiled Carbon Nanotubes. ECS Solid State Letters, 2012, 2, M21-M23.	1.4	4
40	Structural model of semi-metallic carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2627-2630.	1.5	4
41	Subgroups of the magnetic axial point groups. Journal of Physics C: Solid State Physics, 1981, 14, 4185-4192.	1.5	3
42	Evolution of a continuously collapsed quantum system. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 149, 333-335.	2.1	3
43	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
44	On the Pentaheptite Nanotubes. Materials and Manufacturing Processes, 2009, 24, 1124-1126.	4.7	3
45	Optical properties of coiled carbon nanotubes: A simple model. Physica Status Solidi (B): Basic Research, 2011, 248, 2585-2588.	1.5	3
46	Spin ordering in RKKY nanowires: Controllable phases in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>nanotubes. Physical Review B, 2014, 90, .	3.2	3
47	Peculiar symmetry-protected electronic dispersions in two-dimensional materials. Journal of Physics Condensed Matter, 2020, 32, 485501.	1.8	3
48	Towards a quantum theory of real measurements: Domain of the measurement and range of the appratus. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 122, 393-396.	2.1	2
49	Diffraction from transition metal chalcogenide nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1590-1593.	3.5	2
50	Spin line groups. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, 611-619.	0.3	2
51	Spin Splitting in Quasiâ€One Dimensional Systems. Physica Status Solidi (B): Basic Research, 2018, 255, 1800184.	1.5	2
52	Rigidâ€Unit Modes in Layers and Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1800196.	1.5	2
53	Symmetry of rigid-layer modes: Raman and infrared activity. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113613.	2.7	2
54	Elementary band representations for (double)-line groups. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 455204.	2.1	2

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55	Chain measurements in quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 125, 173-175.	2.1	1
56	Is the collapse a phase transition?. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 134, 77-80.	2.1	1
57	Diffraction from quasi oneâ€dimensional crystals and nanotubes. Physica Status Solidi (B): Basic Research, 2009, 246, 2631-2636.	1.5	1
58	Symmetry of chiral nanotubes: Natural torsion and diffraction evidence. Physica Status Solidi (B): Basic Research, 2012, 249, 2446-2449.	1.5	1
59	Mechanical coupling in homogeneously deformed single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2013, 25, 145301.	1.8	1
60	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
61	Regular phases of quasi-one-dimensional spin systems: Classification and imprints on diffraction. Physical Review B, 2015, 92, .	3.2	1
62	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
63	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
64	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
65	Electron-phonon (de)coupling in 2D. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114468.	2.7	1
66	Linear-antilinear representations of magnetic line groups. , 1984, , 452-453.		0
67	Pentaheptite Allotropes of Carbon Nanotubes. ECS Transactions, 2007, 6, 41-46.	0.5	0
68	Spin arrangements of the first family line groups. Physica Status Solidi (B): Basic Research, 2012, 249, 2558-2561.	1.5	0
69	Symmetry of quasi one-dimensional systems: line groups and applications. Europhysics News, 2014, 45, 27-30.	0.3	0
70	Vibrational Analysis. Lecture Notes in Physics, 2010, , 95-111.	0.7	0
71	Line Groups Structure. Lecture Notes in Physics, 2010, , 7-27.	0.7	0
72	Tensors. Lecture Notes in Physics, 2010, , 65-84.	0.7	0

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73	Irreducible Representations. Lecture Notes in Physics, 2010, , 47-64.	0.7	0
74	Magnetic Line Groups. Lecture Notes in Physics, 2010, , 85-93.	0.7	0
75	Symmetrical Compounds. Lecture Notes in Physics, 2010, , 29-46.	0.7	0
76	Selection rules for polymers. , 1983, , 311-312.		0