

Milan Damnjanovic

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Electron-phonon (de)coupling in 2D. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114468.	2.7	1
3	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
4	Spin-Orbit Effects in MoS ₂ Nanotubes. Journal of Physical Chemistry C, 2020, 124, 11141-11149.	3.1	9
5	Peculiar symmetry-protected electronic dispersions in two-dimensional materials. Journal of Physics Condensed Matter, 2020, 32, 485501.	1.8	3
6	Elementary band representations for (double)-line groups. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 455204.	2.1	2
7	Symmetry-Based Electron-Phonon Decoupling and Jahn-Teller Theorem Violation in Specific Crystalline Structures. Physica Status Solidi (B): Basic Research, 2019, 256, 1900242.	1.5	1
8	Symmetry of rigid-layer modes: Raman and infrared activity. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113613.	2.7	2
9	Spin Splitting in Quasi-One Dimensional Systems. Physica Status Solidi (B): Basic Research, 2018, 255, 1800184.	1.5	2
10	Rigid-Unit Modes in Layers and Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1800196.	1.5	2
11	Symmetry-based Study of MoS ₂ and WS ₂ Nanotubes. Israel Journal of Chemistry, 2017, 57, 450-460.	2.3	23
12	Strain- and torsion-induced resonance energy tuning of Raman scattering in single-wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2016, 253, 2391-2395.	1.5	1
13	Regular phases of quasi-one-dimensional spin systems: Classification and imprints on diffraction. Physical Review B, 2015, 92, .	3.2	1
14	Electronic Properties of Strained Carbon Nanotubes: Impact of Induced Deformations. Journal of Physical Chemistry C, 2015, 119, 13922-13928.	3.1	15
15	Full symmetry implementation in condensed matter and molecular physics—Modified group projector technique. Physics Reports, 2015, 581, 1-43.	25.6	21
16	Spin ordering in RKKY nanowires: Controllable phases in C_{13} nanotubes. Physical Review B, 2014, 90, .	3.2	3
17	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
18	Phonon transport in helically coiled carbon nanotubes. Carbon, 2014, 77, 281-288.	10.3	13

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19	Symmetry of quasi one-dimensional systems: line groups and applications. Europhysics News, 2014, 45, 27-30.	0.3	0
20	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
21	Spin line groups. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, 611-619.	0.3	2
22	Mechanical coupling in homogeneously deformed single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2013, 25, 145301.	1.8	1
23	Structural model of semi-metallic carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2627-2630.	1.5	4
24	Anisotropy of thermal expansion of helically coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2535-2538.	1.5	6
25	Synthesis, Model and Stability of Helically Coiled Carbon Nanotubes. ECS Solid State Letters, 2012, 2, M21-M23.	1.4	4
26	Natural torsion in chiral single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2012, 24, 485302.	1.8	7
27	Structure and stability of coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2012, 249, 2442-2445.	1.5	14
28	Symmetry of chiral nanotubes: Natural torsion and diffraction evidence. Physica Status Solidi (B): Basic Research, 2012, 249, 2446-2449.	1.5	1
29	Spin arrangements of the first family line groups. Physica Status Solidi (B): Basic Research, 2012, 249, 2558-2561.	1.5	0
30	Diffraction from transition metal chalcogenide nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1590-1593.	3.5	2
31	Optical properties of coiled carbon nanotubes: A simple model. Physica Status Solidi (B): Basic Research, 2011, 248, 2585-2588.	1.5	3
32	Kohn anomaly in graphene. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 510-511.	3.5	7
33	ELECTRON-PHONON COUPLING IN GRAPHENE. International Journal of Modern Physics B, 2010, 24, 655-660.	2.0	4
34	Nanotubes. Lecture Notes in Physics, 2010, , 143-169.	0.7	9
35	Vibrational Analysis. Lecture Notes in Physics, 2010, , 95-111.	0.7	0
36	Line Groups Structure. Lecture Notes in Physics, 2010, , 7-27.	0.7	0

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37	Tensors. Lecture Notes in Physics, 2010, , 65-84.	0.7	0
38	Irreducible Representations. Lecture Notes in Physics, 2010, , 47-64.	0.7	0
39	Magnetic Line Groups. Lecture Notes in Physics, 2010, , 85-93.	0.7	0
40	Symmetrical Compounds. Lecture Notes in Physics, 2010, , 29-46.	0.7	0
41	On the Pentaheptite Nanotubes. Materials and Manufacturing Processes, 2009, 24, 1124-1126.	4.7	3
42	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
43	Diffraction from quasi one-dimensional crystals and nanotubes. Physica Status Solidi (B): Basic Research, 2009, 246, 2631-2636.	1.5	1
44	Phonons in MoS ₂ and WS ₂ Nanotubes. Materials and Manufacturing Processes, 2008, 23, 579-582.	4.7	12
45	Diffraction intensity and symmetry of single-wall carbon nanotubes. Nanotechnology, 2007, 18, 375708.	2.6	7
46	Pentaheptite Allotropes of Carbon Nanotubes. ECS Transactions, 2007, 6, 41-46. Electronic properties and optical spectra of	0.5	0
47	MoS_2 and WS_2 Nanotubes. Materials and Manufacturing Processes, 2008, 23, 579-582.	4.7	68
48	Raman scattering of the MoS ₂ and WS ₂ single nanotubes. Surface Science, 2007, 601, 2868-2872.	1.9	121
49	Symmetry of zinc oxide nanostructures. Journal of Physics Condensed Matter, 2006, 18, 1939-1953.	1.8	15
50	Symmetry properties of ZnO nanorods and nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 1750-1756.	1.5	8
51	Symmetry of rolled-up rectangular lattice nanotubes. Journal of Physics Condensed Matter, 2006, 18, 8139-8147.	1.8	6
52	Phonons in narrow carbon nanotubes. Physical Review B, 2005, 72, .	3.2	26
53	Zerophonons in MoS ₂ nanotubes. Physical Review B, 2005, 71, .	3.2	21
54	Symmetry-based calculations of optical absorption in narrow nanotubes. Physical Review B, 2004, 69, .	3.2	15

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55	Chirality dependence of the radial breathing mode: a simple model. <i>Journal of Physics Condensed Matter</i> , 2004, 16, L505-L508.	1.8	18
56	Interaction between layers of the multi-wall carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 16, 259-268.	2.7	40
57	The radial breathing mode frequency in double-walled carbon nanotubes: an analytical approximation. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 237, R7-R10.	1.5	38
58	Phonon dispersion of carbon nanotubes. <i>Solid State Communications</i> , 2002, 121, 471-474.	1.9	68
59	Optical dichroism in nanotubes. <i>Physical Review B</i> , 2000, 62, 6971-6974.	3.2	56
60	Molien functions and commensurability of the helicoidal ordering. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 216, 307-312.	2.1	5
61	Normal vibrations and Jahn-Teller effect for polymers and quasi-one-dimensional systems. <i>Physical Review B</i> , 1993, 47, 7805-7818.	3.2	50
62	Magnetic line groups. III. Corepresentations of the magnetic line groups isogonal to the point groups D_n, C_{nv}, D_{nd} , and D_{nh} . <i>Physical Review B</i> , 1991, 43, 13482-13500.	3.2	3
63	Evolution of a continuously collapsed quantum system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 149, 333-335.	2.1	3
64	Magnetic line groups. II. Corepresentations of the magnetic line groups isogonal to the point groups C_n, S_{2n} , and C_{nh} . <i>Physical Review B</i> , 1989, 39, 4610-4619.	3.2	5
65	Is the collapse a phase transition?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988, 134, 77-80.	2.1	1
66	Chain measurements in quantum mechanics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 125, 173-175.	2.1	1
67	Towards a quantum theory of real measurements: Domain of the measurement and range of the apparatus. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 122, 393-396.	2.1	2
68	A classification of the quantum mechanical measurements. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1986, 117, 53-56.	2.1	4
69	Mixing character and quantum mechanical processes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1986, 114, 113-114.	2.1	4
70	Linear-antilinear representations of magnetic line groups. , 1984, , 452-453.		0
71	A note on the LÃ¼ders-Von Neuman formula of collapse. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 99, 22-24.	2.1	6
72	Standard components of polar and axial vectors for quasi one-dimensional systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 94, 337-339.	2.1	15

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73	Selection rules for polymers. , 1983, , 311-312.		0
74	Magnetic line groups. Physical Review B, 1982, 25, 6987-6994.	3.2	39
75	Maximal equitranslational subgroups of the line groups. Journal of Physics C: Solid State Physics, 1982, 15, 2321-2326.	1.5	6
76	Subgroups of the magnetic axial point groups. Journal of Physics C: Solid State Physics, 1981, 14, 4185-4192.	1.5	3