

# Milan Damnjanovic

## List of Publications by Year in descending order

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76  
papers

901  
citations

566801

15  
h-index

500791

28  
g-index

79  
all docs

79  
docs citations

79  
times ranked

822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman scattering of the MoS <sub>2</sub> and WS <sub>2</sub> single nanotubes. Surface Science, 2007, 601, 2868-2872.	0.8	121
2	Phonon dispersion of carbon nanotubes. Solid State Communications, 2002, 121, 471-474.	0.9	68
3	Electronic properties and optical spectra of MoS <sub>2</sub> and WS <sub>2</sub> nanotubes. Physical Review B, 2005, 72, .	1.1	68
4	Optical dichroism in nanotubes. Physical Review B, 2000, 62, 6971-6974.	1.1	56
5	Normal vibrations and Jahn-Teller effect for polymers and quasi-one-dimensional systems. Physical Review B, 1993, 47, 7805-7818.	1.1	50
6	Interaction between layers of the multi-wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 259-268.	1.3	40
7	Magnetic line groups. Physical Review B, 1982, 25, 6987-6994.	1.1	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.	0.7	38
9	Phonons in narrow carbon nanotubes. Physical Review B, 2005, 72, .	1.1	26
10	Symmetry-based Study of MoS <sub>2</sub> and WS <sub>2</sub> Nanotubes. Israel Journal of Chemistry, 2017, 57, 450-460.	1.0	23
11	Zerophonons in MoS <sub>2</sub> nanotubes. Physical Review B, 2005, 71, .	1.1	21
12	Full symmetry implementation in condensed matter and molecular physics – Modified group projector technique. Physics Reports, 2015, 581, 1-43.	10.3	21
13	Chirality dependence of the radial breathing mode: a simple model. Journal of Physics Condensed Matter, 2004, 16, L505-L508.	0.7	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.	0.9	15
15	Symmetry-based calculations of optical absorption in narrow nanotubes. Physical Review B, 2004, 69, .	1.1	15
16	Symmetry of zinc oxide nanostructures. Journal of Physics Condensed Matter, 2006, 18, 1939-1953.	0.7	15
17	Electronic Properties of Strained Carbon Nanotubes: Impact of Induced Deformations. Journal of Physical Chemistry C, 2015, 119, 13922-13928.	1.5	15
18	Structure and stability of coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2012, 249, 2442-2445.	0.7	14

#	ARTICLE	IF	CITATIONS
19	Phonon transport in helically coiled carbon nanotubes. Carbon, 2014, 77, 281-288.	5.4	13
20	Phonons in MoS <sub>2</sub> and WS <sub>2</sub> Nanotubes. Materials and Manufacturing Processes, 2008, 23, 579-582.	2.7	12
21	Spin-Orbit Effects in MoS <sub>2</sub> Nanotubes. Journal of Physical Chemistry C, 2020, 124, 11141-11149.	1.5	9
22	Nanotubes. Lecture Notes in Physics, 2010, , 143-169.	0.3	9
23	Symmetry properties of ZnO nanorods and nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 1750-1756.	0.7	8
24	Diffraction intensity and symmetry of single-wall carbon nanotubes. Nanotechnology, 2007, 18, 375708.	1.3	7
25	Kohn anomaly in graphene. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 510-511.	1.7	7
26	Natural torsion in chiral single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2012, 24, 485302.	0.7	7
27	Raman Intensities of Totally Symmetrical Modes of Homogeneously Deformed Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 20576-20584.	1.5	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 Liders-Von Neuman formula of collapse. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 99, 22-24.	0.9	6
30	Symmetry of rolled-up rectangular lattice nanotubes. Journal of Physics Condensed Matter, 2006, 18, 8139-8147.	0.7	6
31	Anisotropy of thermal expansion of helically coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2535-2538.	0.7	6
32	Magnetic line groups. II. Corepresentations of the magnetic line groups isogonal to the point groups C <sub>n</sub> , S <sub>2n</sub> , and C <sub>nh</sub> . Physical Review B, 1989, 39, 4610-4619.	1.1	5
33	Molien functions and commensurability of the helicoidal ordering. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 216, 307-312.	0.9	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.	0.0	5
35	A classification of the quantum mechanical measurements. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 117, 53-56.	0.9	4
36	Mixing character and quantum mechanical processes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 114, 113-114.	0.9	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.	0.7	4
38	ELECTRON-PHONON COUPLING IN GRAPHENE. International Journal of Modern Physics B, 2010, 24, 655-660.	1.0	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.	0.7	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.	0.9	3
43	Magnetic line groups. III. Corepresentations of the magnetic line groups isogonal to the point groups $D_n, C_{nv}, D_{nd}$ , and $D_{nh}$ . Physical Review B, 1991, 43, 13482-13500.	1.1	3
44	On the Pentaheptite Nanotubes. Materials and Manufacturing Processes, 2009, 24, 1124-1126.	2.7	3
45	Optical properties of coiled carbon nanotubes: A simple model. Physica Status Solidi (B): Basic Research, 2011, 248, 2585-2588.	0.7	3
46	Spin ordering in RKKY nanowires: Controllable phases in $C_{13}$ nanotubes. Physical Review B, 2014, 90, .	1.1	3
47	Peculiar symmetry-protected electronic dispersions in two-dimensional materials. Journal of Physics Condensed Matter, 2020, 32, 485501.	0.7	3
48	Towards a quantum theory of real measurements: Domain of the measurement and range of the apparatus. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 122, 393-396.	0.9	2
49	Diffraction from transition metal chalcogenide nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1590-1593.	1.7	2
50	Spin line groups. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, 611-619.	0.3	2
51	Spin Splitting in Quasi-One Dimensional Systems. Physica Status Solidi (B): Basic Research, 2018, 255, 1800184.	0.7	2
52	Rigid-Unit Modes in Layers and Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1800196.	0.7	2
53	Symmetry of rigid-layer modes: Raman and infrared activity. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113613.	1.3	2
54	Elementary band representations for (double)-line groups. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 455204.	0.7	2

#	ARTICLE	IF	CITATIONS
55	Chain measurements in quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 125, 173-175.	0.9	1
56	Is the collapse a phase transition?. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 134, 77-80.	0.9	1
57	Diffraction from quasi one-dimensional crystals and nanotubes. Physica Status Solidi (B): Basic Research, 2009, 246, 2631-2636.	0.7	1
58	Symmetry of chiral nanotubes: Natural torsion and diffraction evidence. Physica Status Solidi (B): Basic Research, 2012, 249, 2446-2449.	0.7	1
59	Mechanical coupling in homogeneously deformed single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2013, 25, 145301.	0.7	1
60	Crossover from ballistic to diffusive thermal conductance in helically coiled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2014, 251, 2401-2406.	0.7	1
61	Regular phases of quasi-one-dimensional spin systems: Classification and imprints on diffraction. Physical Review B, 2015, 92, .	1.1	1
62	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.	0.7	1
63	Symmetry-Based Electron-Phonon Decoupling and Jahn-Teller Theorem Violation in Specific Crystalline Structures. Physica Status Solidi (B): Basic Research, 2019, 256, 1900242.	0.7	1
64	Electronic Band Topology of Monoclinic MoS <sub>2</sub> Monolayer: Study Based on Elementary Band Representations for Layer Groups. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000351.	1.2	1
65	Electron-phonon (de)coupling in 2D. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114468.	1.3	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.	0.3	0
68	Spin arrangements of the first family line groups. Physica Status Solidi (B): Basic Research, 2012, 249, 2558-2561.	0.7	0
69	Symmetry of quasi one-dimensional systems: line groups and applications. Europhysics News, 2014, 45, 27-30.	0.1	0
70	Vibrational Analysis. Lecture Notes in Physics, 2010, , 95-111.	0.3	0
71	Line Groups Structure. Lecture Notes in Physics, 2010, , 7-27.	0.3	0
72	Tensors. Lecture Notes in Physics, 2010, , 65-84.	0.3	0

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73	Irreducible Representations. Lecture Notes in Physics, 2010, , 47-64.	0.3	0
74	Magnetic Line Groups. Lecture Notes in Physics, 2010, , 85-93.	0.3	0
75	Symmetrical Compounds. Lecture Notes in Physics, 2010, , 29-46.	0.3	0
76	Selection rules for polymers. , 1983, , 311-312.		0