Milan Damnjanovic

List of Publications by Year in Descending Order

74 papers	756 citations	13 h-index	25 g-index
79 ext. papers	824 ext. citations	2.5 avg, IF	3.78 L-index

#	Paper	IF	Citations
74	Irreducible and site-symmetry-induced representations of single/double ordinary/grey layer groups.. *Acta Crystallographica Section A: Foundations and Advances*, **2022**, 78, 107-114	1.7	0
73	Electron-phonon (de)coupling in 2D. *Physica E: Low-Dimensional Systems and Nanostructures*, **2021**, 126, 114468	3	1
72	Elementary band representations for (double)-line groups. *Journal of Physics A: Mathematical and Theoretical*, **2020**, 53, 455204	2	0
71	Electronic Band Topology of Monoclinic MoS2 Monolayer: Study Based on Elementary Band Representations for Layer Groups. *Physica Status Solidi - Rapid Research Letters*, **2020**, 14, 2000351	2.5	1
70	Spin□Orbit Effects in MoS2 Nanotubes. *Journal of Physical Chemistry C*, **2020**, 124, 11141-11149	3.8	4
69	Symmetry of rigid-layer modes: Raman and infrared activity. *Physica E: Low-Dimensional Systems and Nanostructures*, **2019**, 114, 113613	3	2
68	Symmetry-Based Electron□Phonon Decoupling and Jahn□Teller Theorem Violation in Specific Crystalline Structures. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1900242	1.3	1
67	Spin Splitting in Quasi-One Dimensional Systems. *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1800184	1.3	0
66	Rigid-Unit Modes in Layers and Nanotubes. *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1800196	1.3	2
65	Symmetry-based Study of MoS2 and WS2 Nanotubes. *Israel Journal of Chemistry*, **2017**, 57, 450-460	3.4	15
64	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	1.3	1
63	Full symmetry implementation in condensed matter and molecular physics□Modified group projector technique. *Physics Reports*, **2015**, 581, 1-43	27.7	13
62	Regular phases of quasi-one-dimensional spin systems: Classification and imprints on diffraction. *Physical Review B*, **2015**, 92,	3.3	1
61	Electronic Properties of Strained Carbon Nanotubes: Impact of Induced Deformations. *Journal of Physical Chemistry C*, **2015**, 119, 13922-13928	3.8	12
60	Raman Intensities of Totally Symmetrical Modes of Homogeneously Deformed Single-Walled Carbon Nanotubes. *Journal of Physical Chemistry C*, **2014**, 118, 20576-20584	3.8	7
59	Phonon transport in helically coiled carbon nanotubes. *Carbon*, **2014**, 77, 281-288	10.4	8
58	Crossover from ballistic to diffusive thermal conductance in helically coiled carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2014**, 251, 2401-2406	1.3	1

57	Spin ordering in RKKY nanowires: Controllable phases in C13 nanotubes. *Physical Review B*, **2014**, 90,	3.3	3
56	Spin line groups. *Acta Crystallographica Section A: Foundations and Advances*, **2013**, 69, 611-9		2
55	Mechanical coupling in homogeneously deformed single-wall carbon nanotubes. *Journal of Physics Condensed Matter*, **2013**, 25, 145301	1.8	1
54	Structural model of semi-metallic carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2013**, 250, 2627-2630	1.3	2
53	Anisotropy of thermal expansion of helically coiled carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2013**, 250, 2535-2538	1.3	4
52	Natural torsion in chiral single-wall carbon nanotubes. *Journal of Physics Condensed Matter*, **2012**, 24, 485302	1.8	4
51	Structure and stability of coiled carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2442-2445	1.3	8
50	Symmetry of chiral nanotubes: Natural torsion and diffraction evidence. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2446-2449	1.3	1
49	Spin arrangements of the first family line groups. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2558-2561	1.3	
48	Synthesis, Model and Stability of Helically Coiled Carbon Nanotubes. *ECS Solid State Letters*, **2012**, 2, M21-M23		4
47	Diffraction from transition metal chalcogenide nanotubes. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2011**, 176, 1590-1593	3.1	2
46	Optical properties of coiled carbon nanotubes: A simple model. *Physica Status Solidi (B): Basic Research*, **2011**, 248, 2585-2588	1.3	3
45	Kohn anomaly in graphene. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2011**, 176, 510-511	3.1	7
44	ELECTRON-PHONON COUPLING IN GRAPHENE. *International Journal of Modern Physics B*, **2010**, 24, 655-660	1.1	3
43	Line Groups in Physics. *Lecture Notes in Physics*, **2010**,	0.8	42
42	Nanotubes. *Lecture Notes in Physics*, **2010**, 143-169	0.8	5
41	Vibrational Analysis. *Lecture Notes in Physics*, **2010**, 95-111	0.8	
40	Line Groups Structure. *Lecture Notes in Physics*, **2010**, 7-27	0.8	

39	Tensors. *Lecture Notes in Physics*, **2010**, 65-84	0.8	
38	Irreducible Representations. *Lecture Notes in Physics*, **2010**, 47-64	0.8	
37	Magnetic Line Groups. *Lecture Notes in Physics*, **2010**, 85-93	0.8	
36	Symmetrical Compounds. *Lecture Notes in Physics*, **2010**, 29-46	0.8	
35	On the Pentaheptite Nanotubes. *Materials and Manufacturing Processes*, **2009**, 24, 1124-1126	4.1	2
34	Generalized Bloch states and potentials of nanotubes and other quasi-1D systems II. *Journal of Physics A: Mathematical and Theoretical*, **2009**, 42, 125202	2	4
33	Diffraction from quasi one-dimensional crystals and nanotubes. *Physica Status Solidi (B): Basic Research*, **2009**, 246, 2631-2636	1.3	1
32	Phonons in MoS2 and WS2 Nanotubes. *Materials and Manufacturing Processes*, **2008**, 23, 579-582	4.1	11
31	Electronic properties and optical spectra of MoS2 and WS2 nanotubes. *Physical Review B*, **2007**, 76,	3.3	57
30	Raman scattering of the MoS2 and WS2 single nanotubes. *Surface Science*, **2007**, 601, 2868-2872	1.8	108
29	Diffraction intensity and symmetry of single-wall carbon nanotubes. *Nanotechnology*, **2007**, 18, 375708	3.4	7
28	Symmetry of rolled-up rectangular lattice nanotubes. *Journal of Physics Condensed Matter*, **2006**, 18, 8139-8147	1.8	5
27	Symmetry of zinc oxide nanostructures. *Journal of Physics Condensed Matter*, **2006**, 18, 1939-53	1.8	12
26	Symmetry properties of ZnO nanorods and nanotubes. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 1750-1756	1.3	8
25	Phonons in narrow carbon nanotubes. *Physical Review B*, **2005**, 72,	3.3	26
24	Zero m phonons in MoS2 nanotubes. *Physical Review B*, **2005**, 71,	3.3	18
23	Symmetry-based calculations of optical absorption in narrow nanotubes. *Physical Review B*, **2004**, 69,	3.3	14
22	Chirality dependence of the radial breathing mode: a simple model. *Journal of Physics Condensed Matter*, **2004**, 16, L505-L508	1.8	12

21	Interaction between layers of the multi-wall carbon nanotubes. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 16, 259-268	3	36
20	The radial breathing mode frequency in double-walled carbon nanotubes: an analytical approximation. *Physica Status Solidi (B): Basic Research*, **2003**, 237, R7-R10	1.3	34
19	Phonon dispersion of carbon nanotubes. *Solid State Communications*, **2002**, 121, 471-474	1.6	65
18	Optical dichroism in nanotubes. *Physical Review B*, **2000**, 62, 6971-6974	3.3	51
17	Molien functions and commensurability of the helicoidal ordering. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1996**, 216, 307-312	2.3	4
16	Normal vibrations and Jahn-Teller effect for polymers and quasi-one-dimensional systems. *Physical Review B*, **1993**, 47, 7805-7818	3.3	44
15	Magnetic line groups. III. Corepresentations of the magnetic line groups isogonal to the point groups Dn, Cnv, Dnd, and Dnh. *Physical Review B*, **1991**, 43, 13482-13500	3.3	2
14	Evolution of a continuously collapsed quantum system. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1990**, 149, 333-335	2.3	3
13	Magnetic line groups. II. Corepresentations of the magnetic line groups isogonal to the point groups Cn, S2n, and Cnh. *Physical Review B*, **1989**, 39, 4610-4619	3.3	4
12	Is the collapse a phase transition?. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1988**, 134, 77-80	2.3	1
11	Chain measurements in quantum mechanics. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1987**, 125, 173-175	2.3	1
10	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	2.3	1
9	A classification of the quantum mechanical measurements. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1986**, 117, 53-56	2.3	4
8	Mixing character and quantum mechanical processes. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1986**, 114, 113-114	2.3	4
7	Linear-antilinear representations of magnetic line groups **1984**, 452-453		
6	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	2.3	9
5	A note on the Lüders-Von Neuman formula of collapse. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1983**, 99, 22-24	2.3	6
4	Selection rules for polymers **1983**, 311-312		

3	Magnetic line groups. *Physical Review B*, **1982**, 25, 6987-6994	3.3	32
2	Maximal equitranslational subgroups of the line groups. *Journal of Physics C: Solid State Physics*, **1982**, 15, 2321-2326		6
1	Subgroups of the magnetic axial point groups. *Journal of Physics C: Solid State Physics*, **1981**, 14, 4185-4192		3