Manoel S Vasconcelos

List of Publications by Year
in descending order

79	1,099	471371 17	477173 29
papers	citations	h-index	g-index

81	81	81	585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical localization in quasi-periodic multilayers. Journal of Physics Condensed Matter, 1998, 10, 5839-5849.	0.7	75
2	Transmission fingerprints in quasiperiodic dielectric multilayers. Physical Review B, 1999, 59, 11128-11131.	1.1	74
3	Plasmon-polariton fractal spectra in quasiperiodic multilayers. Physical Review B, 1998, 57, 2826-2833.	1.1	73
4	Nucleotide correlations and electronic transport of DNA sequences. Physical Review E, 2005, 71, 021910.	0.8	73
5	Photonic band gaps in quasiperiodic photonic crystals with negative refractive index. Physical Review B, 2007, 76, .	1.1	55
6	Octonacci photonic quasicrystals. Optical Materials, 2015, 46, 378-383.	1.7	47
7	Optical transmission spectra in quasiperiodic multilayered photonic structure. Journal of Physics Condensed Matter, 2006, 18, 8737-8747.	0.7	32
8	Transmission spectra in graphene-based octonacci one-dimensional photonic quasicrystals. Optical Materials, 2019, 89, 623-629.	1.7	32
9	Optical transmission spectra in symmetrical Fibonacci photonic multilayers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 496-500.	0.9	28
10	A quantum chemistry investigation of a potential inhibitory drug against the dengue virus. RSC Advances, 2016, 6, 56562-56570.	1.7	28
11	Specific heat properties of electrons in generalized Fibonacci quasicrystals. Physica A: Statistical Mechanics and Its Applications, 2003, 329, 101-113.	1.2	23
12	Omnidirectional band gaps in quasiperiodic photonic crystals in the THz region. Optical Materials, 2012, 35, 18-24.	1.7	22
13	Octonacci photonic crystals with negative refraction index materials. Optical Materials, 2016, 62, 584-592.	1.7	22
14	Optical filters based in quasiperiodic photonic crystal. Microelectronics Journal, 2009, 40, 851-853.	1.1	21
15	Band gaps and transmission spectra in generalized Fibonacci Ïƒ(p,q) one-dimensional magnonic quasicrystals. Journal of Physics Condensed Matter, 2013, 25, 286002.	0.7	20
16	Thermal radiation in one-dimensional photonic quasicrystals with graphene. Optical Materials, 2017, 72, 756-764.	1.7	20
17	Electronic specific heat properties in one-dimensional quasicrystals. Physica A: Statistical Mechanics and Its Applications, 2001, 294, 403-414.	1.2	18
18	Effects of graphene on light transmission spectra in Dodecanacci photonic quasicrystals. Optical Materials, 2019, 98, 109450.	1.7	18

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19	Specific heat properties of polariton modes in quasicrystals. Physical Review B, 2001, 63, .	1.1	17
20	Fractal spectrum of charge carriers in quasiperiodic graphene structures. Journal of Physics Condensed Matter, 2010, 22, 465305.	0.7	17
21	Plasmon polaritons and optical spectra of a superlattice of cantor type. Physica B: Condensed Matter, 1996, 222, 113-122.	1.3	16
22	Fractal spectra in generalized Fibonacci one-dimensional magnonic quasicrystals. Journal of Magnetism and Magnetic Materials, 2012, 324, 2315-2323.	1.0	16
23	Band gaps in the terahertz frequency range in quasiperiodic one-dimensional magnonic crystals. Solid State Communications, 2010, 150, 2325-2328.	0.9	15
24	Partial band gaps in magnonic crystals. Journal of Applied Physics, 2011, 109, .	1.1	15
25	Structural, electronics and optical properties of CaO. Journal of Physics: Conference Series, 2008, 100, 042006.	0.3	14
26	Effects of mirror symmetry on the transmission fingerprints of quasiperiodic photonic multilayers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1574-1578.	0.9	13
27	The DNA electronic specific heat at low temperature: The role of aperiodicity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2413-2417.	0.9	13
28	Magnetocaloric effect of thin Terbium films. Solid State Communications, 2017, 268, 56-60.	0.9	13
29	DFT calculations of the structural, electronic, optical and vibrational properties of anhydrous orthorhombic L-threonine crystals. Computational and Theoretical Chemistry, 2019, 1170, 112621.	1.1	13
30	Optical gain spectra of unstrained graded GaAs/AlxGa1â^'xAs quantum well laser. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 582-586.	0.9	12
31	Photonic band gap spectra in Octonacci metamaterial quasicrystals. Optical Materials, 2017, 64, 126-130.	1.7	12
32	Confinement of polar optical phonons in AlN/GaN superlattices. Solid State Communications, 2005, 135, 144-149.	0.9	11
33	Quasiperiodic magnonic superlattices with mirror symmetry. Solid State Communications, 2010, 150, 1760-1765.	0.9	11
34	AÎ²-statistical analysis of the Y-chromosome. Europhysics Letters, 2014, 108, 38004.	0.7	11
35	Phononic topological states in 1D quasicrystals. Journal of Physics Condensed Matter, 2019, 31, 505405.	0.7	11
36	Thermal radiation in quasiperiodic photonic crystals with negative refractive index. Journal of Physics Condensed Matter, 2007, 19, 496212.	0.7	10

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37	Electronic density of states in sequence dependent DNA molecules. Surface Science, 2006, 600, 3770-3774.	0.8	9
38	Transmission fingerprints in quasiperiodic magnonic multilayers. Journal of Magnetism and Magnetic Materials, 2011, 323, 3162-3167.	1.0	9
39	Magnetic polaritons in metamagnet layered structures: Spectra and localization properties. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1135-1140.	0.9	8
40	Non-additive model for specific heat of electrons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3454-3459.	0.9	8
41	Multifractal analysis of plasmonâ€“polariton and light transmission spectra in quasiperiodic multilayers. Physica A: Statistical Mechanics and Its Applications, 1999, 268, 165-174.	1.2	7
42	Specific heat spectra of long-range correlated DNA molecules. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 441-448.	1.2	7
43	Phonon polaritons in photonic crystals at terahertz frequency range. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1129.	0.9	7
44	Magnetic structures in ultra-thin Holmium films: Influence of external magnetic field. Journal of Magnetism and Magnetic Materials, 2015, 377, 24-28.	1.0	7
45	Propagation of magnetostatic modes on aperiodic rare-earth multilayers. Solid State Communications, 2018, 269, 76-82.	0.9	7
46	Surface and bulk plasmon-polaritons in semiconductor photonic crystals with embedded graphene sheets. Journal Physics D: Applied Physics, 2019, 52, 285104.	1.3	7
47	Theory for polaritons in graphene photonic crystals in an applied magnetic field. Journal Physics D: Applied Physics, 2020, 53, 135101.	1.3	7
48	Acoustic phonon power spectra in a periodic superlattice. Physica Status Solidi (B): Basic Research, 2006, 243, 1205-1211.	0.7	6
49	Transmission spectra in photonic band-gap Fibonacci nanostructures. Surface Science, 2007, 601, 4492-4496.	0.8	6
50	Magnons in one-dimensional k-component Fibonacci structures. Journal of Applied Physics, 2014, 115, 17C115.	1.1	6
51	Transmission fingerprints in quasiperiodic magnetic structures. Physica A: Statistical Mechanics and Its Applications, 2003, 329, 91-100.	1.2	5
52	Magnetostatic modes in metamagnetic superlattices. Solid State Communications, 2005, 135, 673-676.	0.9	5
53	Acoustic phonon dynamics in strained cubic and hexagonal GaN/Al2O3 superlattices. European Physical Journal B, 2006, 51, 583-591.	0.6	5
54	A study of transmission on cylindrical photonic quasicrystals. Optical Materials, 2021, 121, 111566.	1.7	5

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55	Surface plasmonâ€“polaritons' contribution to the specific heat of quasiperiodic GaAs/SiO2 structures. Surface Science, 2001, 482-485, 537-539.	0.8	4
56	Localization of plasmon-polaritons in nâ€“iâ€“pâ€“i quasi-periodic semiconductor superlattices. Solid State Communications, 2001, 117, 495-499.	0.9	4
57	Theory of excitonâ€“polariton in GaN thin films. Solid State Communications, 2002, 124, 109-112.	0.9	4
58	Oscillatory behavior of the specific heat at low temperature in quasiperiodic structures. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 366-371.	1.2	4
59	Exciton-polariton confinement in Fibonacci quasiperiodic superlattice. Surface Science, 2006, 600, 4337-4341.	0.8	4
60	Electronic properties of Fibonacci and random Siâ€“Ge chains. Journal of Physics Condensed Matter, 2011, 23, 405501.	0.7	4
61	Simulation of the magnetocaloric effect in Tb nanofilms. AIP Conference Proceedings, 2014, , .	0.3	4
62	Critical properties of a two-dimensional Ising magnet with quasiperiodic interactions. Physical Review E, 2016, 93, 042111.	0.8	4
63	Excitonâ€“polaritons in nanostructured nitride superlattices. Microelectronics Journal, 2005, 36, 1006-1010.	1.1	3
64	Plasmon-polariton fractal spectra in quasiperiodic photonic crystals with graphene. Europhysics Letters, 2019, 128, 27003.	0.7	3
65	Magnon-polaritons in graphene/gyromagnetic slab heterostructures. Journal of Physics Condensed Matter, 2021, 33, 055801.	0.7	3
66	Impurity binding energies in semiconductor Fibonacci superlattices. Microelectronics Journal, 2003, 34, 503-505.	1.1	2
67	Dispersion relation of the optical phonon frequencies in AlN/GaN superlattices. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 2512-2515.	0.8	2
68	Spin waves propagation in Fibonacci quasiperiodic metamagnet superlattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 322-326.	0.9	2
69	Critical behavior of the 2D Ising model modulated by the Octonacci sequence. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 123302.	0.9	2
70	Electronic spectra of GaAs/GaxAl1âˆ’xAs superlattice with impurities arranged according to a Fibonacci sequence. Applied Surface Science, 2004, 234, 33-37.	3.1	1
71	Thermal radiation in quasiperiodic photonic crystals. Microelectronics Journal, 2009, 40, 848-850.	1.1	1
72	Phonon polaritons in metamaterial photonic crystals at terahertz frequency range. , 2012, , .		1

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73	Characterization of the magnetic phases of holmium nanofilms via magnetic neutron scattering. Journal of Magnetism and Magnetic Materials, 2019, 475, 643-646.	1.0	1
74	Propagation of electromagnetic waves on quasiperiodic rare-earth multilayers. Optical Materials, 2021, 114, 111003.	1.7	1
75	Magnon-polaritons in ferromagnetic magnonic crystals with graphene at the interfaces. Journal of Physics Condensed Matter, 2021, 33, 315802.	0.7	1
76	Polaritonic excitations in aperiodic nanolayers. , 2014, , .		0
77	Topological States in 1D Photonic Quasi-crystals. Materials Research Society Symposia Proceedings, 2014, 1698, 48.	0.1	0
78	Blue-Shifted Optical Gain of Unstrained Graded Quantum Well Laser. , 2013, , .		0
79	Double power-law and random fractality in the energy spectra of Poly(GA) sequences in human DNA. Physica A: Statistical Mechanics and Its Applications, 2022, 596, 127094.	1.2	0