

Claudionor Bezerra

List of Publications by Year in descending order

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623574

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677027

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58
all docs

58
docs citations

58
times ranked

590
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrum of the tight-binding model on Cayley trees and comparison with Bethe lattices. Physical Review E, 2022, 105, 034123.	0.8	4
2	Impact of arrangement, length and chemical potential on the robustness of graphene induced photonic bandgap in photonic crystals. Results in Physics, 2022, 37, 105444.	2.0	2
3	Investigating size effects in graphene-BN hybrid monolayers: a combined density functional theory-molecular dynamics study. RSC Advances, 2021, 11, 12595-12606.	1.7	2
4	Improving Seismic Inversion Robustness via Deformed Jackson Gaussian. Entropy, 2021, 23, 1081.	1.1	6
5	Mechanical and electronic properties of boron nitride nanosheets with graphene domains under strain. RSC Advances, 2021, 11, 35127-35140.	1.7	2
6	Transfer-matrix method of circular polarization light in an axionic photonic insulator. Physical Review A, 2021, 104, .	1.0	0
7	Spin waves in decorated lattices. Solid State Communications, 2020, 322, 114065.	0.9	1
8	First-principles prediction of silicon nanocones: Stability and electronic properties. Computational Materials Science, 2020, 184, 109885.	1.4	2
9	Photonic transmission spectra in graphene-based Gaussian random multilayers. Optical Materials, 2020, 104, 109838.	1.7	17
10	Tunable terahertz absorption in Si/SiO ₂ -graphene multilayers: disorder and magneto-optical effects. Applied Optics, 2020, 59, 11034.	0.9	15
11	Enhanced transmission induced by embedded graphene in periodic, quasiperiodic, and random photonic crystals. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 3801.	0.9	12
12	Electronic and optical properties of B _x C _y N _z hybrid $\hat{\Gamma}$ -graphynes. RSC Advances, 2019, 9, 35176-35188.	1.7	5
13	Spin wave propagation spectra in Octonacci one-dimensional magnonic quasicrystals. Journal of Magnetism and Magnetic Materials, 2018, 456, 228-235.	1.0	3
14	Tuning the Fano factor of graphene via Fermi velocity modulation. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 97, 105-110.	1.3	19
15	B _x C _y N _z hybrid graphenylene: stability and electronic properties. RSC Advances, 2018, 8, 24847-24856.	1.7	22
16	Wasp-waisted behavior in magnetic hysteresis curves of CoFe ₂ O ₄ nanopowder at a low temperature: experimental evidence and theoretical approach. RSC Advances, 2017, 7, 22187-22196.	1.7	84
17	Magnetic anisotropy properties of Co _{1.2} Fe _{1.8} Mn _x O ₄ (0.0 $\leq x \leq$ 0.3) nanopowders: theory and experiment. Journal Physics D: Applied Physics, 2017, 50, 075003.	1.4	0
18	Stability and electronic properties of  monolayers. Superlattices and Microstructures, 2017, 110, 281-288.	1.4	5

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19	Light propagation in quasiperiodic dielectric multilayers separated by graphene. <i>Physical Review B</i> , 2017, 96, .	1.1	19
20	Controlling resonant tunneling in graphene via Fermi velocity engineering. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	27
21	Bandgap oscillation in quasiperiodic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0003.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \langle \text{mml:mo stretchy="false" \rangle \langle \text{mml:mi mathvariant="italic" \rangle BN \langle \text{mml:mi} \langle \text{mml:mo} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overdock 10ITf 50 65} \rangle \rangle$ nanotubes. <i>Solid State Communications</i> , 2016, 248, 32-42.	0.7	0
22	Static and dynamic properties of $[hkl]$ low-symmetry trilayers. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 929-941.	0.7	0
23	Quantifying magnetic anisotropy dispersion: Theoretical and experimental study of the magnetic properties of anisotropic FeCuNbSiB ferromagnetic films. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	15
24	Density of states of helically symmetric boron carbon nitride nanotubes. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 015303.	0.7	11
25	A renormalization group study of the three-color Ashkin-Teller model on a Wheatstone hierarchical lattice. , 2014, , 36-47.		0
26	Bandgap oscillation in quasiperiodic carbon-BN nanoribbons. <i>Solid State Communications</i> , 2014, 180, 28-34.	0.9	2
27	Sublattice imbalance of substitutionally doped nitrogen in graphene. <i>Carbon</i> , 2014, 77, 645-650.	5.4	18
28	Static and dynamic properties of Fibonacci multilayers. <i>Journal of Applied Physics</i> , 2013, 113, 17C102.	1.1	10
29	Magnetization Dynamics Through Magnetoimpedance Effect in Isotropic $\text{Co}_2\text{FeAl}/\text{Au}/\text{Co}_2\text{FeAl}$ Full-Heusler Alloy Trilayer Films. <i>Applied Physics Express</i> , 2013, 6, 093001.	1.1	6
30	Anomalous magnetoresistance in Fibonacci multilayers. <i>Physical Review B</i> , 2012, 85, .	1.1	9
31	Transmission fingerprints in quasiperiodic magnonic multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 3162-3167.	1.0	9
32	Theoretical and experimental study of Fe/Cr nanometric quasiperiodic multilayers. <i>Solid State Communications</i> , 2011, 151, 337-340.	0.9	11
33	Effects of mirror symmetry on the transmission fingerprints of quasiperiodic photonic multilayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 1574-1578.	0.9	13
34	Quasiperiodic magnonic superlattices with mirror symmetry. <i>Solid State Communications</i> , 2010, 150, 1760-1765.	0.9	11
35	Phase diagram of the two-dimensional ferromagnetic three-color Ashkin-Teller model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 1538-1544.	1.2	5
36	Properties of Fe/MgO (Fe/MgO) nanometric films grown by dc sputtering. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 205005.	1.3	10

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37	Specific heat of magnetic and semiconductor quasiperiodic structures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 379, 569-578.	1.2	1
38	Crossover-behavior of the saturation magnetic fields of (100) and (110) Fe/Cr/Fe trilayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 354, 221-225.	0.9	6
39	Specific heat spectra for quasiperiodic ladder sequences. <i>European Physical Journal B</i> , 2006, 54, 393-398.	0.6	12
40	Magnetostatic modes in metamagnetic superlattices. <i>Solid State Communications</i> , 2005, 135, 673-676.	0.9	5
41	Effects of the magneto-crystalline anisotropy on the magnetic properties of Fe/Cr/Fe (110) trilayer. <i>European Physical Journal B</i> , 2004, 39, 527-533.	0.6	3
42	Oscillatory behavior of the specific heat at low temperature in quasiperiodic structures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 366-371.	1.2	4
43	Magnetic properties of ultrathin Fe/Cr/Fe (110) magnetic metallic trilayers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, S263-S267.	0.8	1
44	Magnetoresistance profiles of quasiperiodic Fe/Cr structures. <i>Surface Science</i> , 2003, 532-535, 47-52.	0.8	3
45	Transmission fingerprints in quasiperiodic magnetic structures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 329, 91-100.	1.2	5
46	Effects of the biquadratic exchange coupling on the localization and scaling laws of spin waves in Fibonacci superlattices. <i>Physical Review B</i> , 2002, 65, .	1.1	15
47	Surface and bulk spin waves in magnetic superlattices with biquadratic exchange coupling. <i>Journal of Applied Physics</i> , 2002, 91, 7221.	1.1	3
48	Spin waves in quasi-periodic Fe/Cr(100) thin films. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 1785-1797.	0.7	6
49	Magnetization in quasiperiodic magnetic multilayers with biquadratic exchange and uniaxial anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 529-531.	1.0	10
50	Multifractal spectra of spin waves in Fibonacci magnetic superlattices with biquadratic exchange coupling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 309, 121-130.	1.2	2
51	The anisotropic Ashkin-Teller model: a renormalization group study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 292, 429-436.	1.2	8
52	Spin wave specific heat in quasiperiodic Fibonacci structures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 294, 415-423.	1.2	14
53	Influence of the biquadratic interlayer coupling in the specific heat of Fibonacci magnetic multilayers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 301, 341-350.	1.2	13
54	Magnetization in quasiperiodic magnetic multilayers with biquadratic exchange coupling. <i>Journal of Applied Physics</i> , 2001, 89, 2286-2292.	1.1	20

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55	Self-similar magnetoresistance of Fibonacci ultrathin magnetic films. <i>Physical Review B</i> , 1999, 60, 9264-9267.	1.1	37
56	On the spin wave multifractal spectra in magnetic multilayers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 267, 124-130.	1.2	11
57	Localization and scaling properties of spin waves in quasi-periodic magnetic multilayers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 255, 285-292.	1.2	28
58	Spin waves in quasi-periodic magnetic superlattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 245, 379-392.	1.2	31