

Marian Apostol

List of Publications by Year in descending order

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68
papers

316
citations

933447

10
h-index

1058476

14
g-index

68
all docs

68
docs citations

68
times ranked

100
citing authors

#	ARTICLE	IF	CITATIONS
1	Alpha-like four nucleon correlations in superfluid phases of atomic nuclei. Nuclear Physics A, 1987, 470, 64-78.	1.5	19
2	A new approach to the quantized electrical conductance. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5093-5095.	2.1	19
3	Electron-phonon coupling in one dimension. Journal of Physics C: Solid State Physics, 1982, 15, 3319-3331.	1.5	15
4	Low temperature phonon thermal conductivity of the quasi-one-dimensional compounds (NbSe4)3I, (TaSe4)2I and K0.3MoO3. Journal of Low Temperature Physics, 1994, 94, 289-306.	1.4	14
5	Coherence domains in matter interacting with radiation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 379-384.	2.1	14
6	On the structural distortion in Rb3C60 and K3C60 revealed by. Solid State Communications, 1996, 98, 253-257.	1.9	13
7	Ground-state energy and geometric magic numbers for homo-atomic metallic clusters. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 273, 117-124.	2.1	12
8	PLASMONS AND DIFFRACTION OF AN ELECTROMAGNETIC PLANE WAVE BY A METALLIC SPHERE. Progress in Electromagnetics Research, 2009, 98, 97-118.	4.4	12
9	Incommensurate pinning mechanism in KCP. Solid State Communications, 1985, 53, 687-690.	1.9	11
10	Modulated-impurity mechanism of pinning in KCP. Journal of Physics C: Solid State Physics, 1985, 18, 6135-6147.	1.5	11
11	Bosonisation of the one-dimensional two-fermion model: boson representation. Journal of Physics C: Solid State Physics, 1983, 16, 5937-5957.	1.5	10
12	Off-center sites in some lightly intercalated alkali-metal fullerenes. Physical Review B, 1995, 52, 15031-15034.	3.2	10
13	Dimensionality effects in the ideal Bose and Fermi gases. Physical Review E, 1997, 56, 4854-4856.	2.1	10
14	One-electron Green function for electrons coupled with acoustical phonons in one dimension. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 88, 73-76.	2.1	8
15	Electromagnetic field interacting with a semi-infinite plasma. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 1747.	1.5	8
16	NMR studies of alkali fullerenes: Rb1C60 and Cs1C60. Synthetic Metals, 1996, 77, 115-117.	3.9	7
17	A note on off-centre diffusion. Solid State Communications, 1995, 94, 153-155.	1.9	6
18	Density oscillations in a model of water and other similar liquids. Physics and Chemistry of Liquids, 2008, 46, 653-668.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Dynamical Alpha-Type Correlations in Deformed Superfluid Nuclei. Europhysics Letters, 1987, 4, 197-204.	2.0	5
20	On the geometrical factor in the off-centre diffusion. Journal of Physics and Chemistry of Solids, 1996, 57, 1231-1241.	4.0	5
21	Iron-hydrocarbon cluster Fe ₁₃ (C ₂ H ₂) ₆ . Chemical Physics Letters, 2001, 344, 287-291.	2.6	5
22	Polaritonic pulse and coherent X- and gamma rays from Compton (Thomson) backscattering. Journal of Applied Physics, 2011, 109, 013307.	2.5	5
23	On the dynamics of the lyophobic colloids. Chemical Physics, 2020, 531, 110660.	1.9	5
24	Density Excitation Spectrum of the One-Dimensional Fermi Gas. Physica Status Solidi (B): Basic Research, 1981, 103, 411-418.	1.5	4
25	Jordan's boson representation for the one-dimensional two-fermion model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 91, 177-180.	2.1	4
26	The relation between the critical temperature and the oxygen content of the superconducting phase YBa ₂ Cu ₃ O ₇ . Philosophical Magazine Letters, 1988, 57, 305-309.	1.2	4
27	Off-centre sites in alkali fullerides. Solid State Communications, 1995, 96, 583-587.	1.9	4
28	On the low-dimensional solids and their melting. Synthetic Metals, 1996, 79, 253-257.	3.9	4
29	Planar channeling and transfer matrix technique. Physics Letters, Section A: General, Atomic and Solid State Physics, 1973, 44, 259-260.	2.1	3
30	Ward identity for non-relativistic fermions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 78, 91-92.	2.1	3
31	Backscattering in the one-dimensional many-fermion system. Solid State Communications, 1981, 37, 257-260.	1.9	3
32	On the mechanism of high-temperature superconductivity in Ba _{1-x} La(Y) _{1-x} Cu _{1-x} O type systems. Solid State Communications, 1988, 67, 425-429.	1.9	3
33	The orthorhombic-to-tetragonal transition in La _{2-x} MxCuO ₄ . Solid State Communications, 1991, 80, 529-533.	1.9	3
34	Quantum-Mechanical Concepts in the Waveguides Theory. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 935-940.	1.5	3
35	On sodium clusters in C ₆₀ fullerides. Canadian Journal of Chemistry, 1997, 75, 77-82.	1.1	3
36	Comment on "Single-particle Green functions in exactly solvable models of Bose and Fermi liquids". Physical Review B, 1999, 60, 8388-8389.	3.2	3

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37	Reflection and refraction of the electromagnetic field in a semi-infinite plasma. Optics Communications, 2009, 282, 4329-4332.	2.1	3
38	Plasmons and polaritons in a semi-infinite plasma and a plasma slab. Physica B: Condensed Matter, 2009, 404, 3775-3781.	2.7	3
39	Coherent polarization driven by external electromagnetic fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4848-4852.	2.1	3
40	Transfer matrix approach to axial hyperchanneling. Physica Status Solidi (B): Basic Research, 1975, 67, 609-617.	1.5	2
41	Four-fermion condensate. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 110, 141-144.	2.1	2
42	Cut-off parameters of the bosonisation technique in one dimension. Journal of Physics C: Solid State Physics, 1987, 20, 3111-3124.	1.5	2
43	Zero-sound solitons in an interacting electron gas in one dimension. Physical Review B, 1992, 45, 4509-4511.	3.2	2
44	Non-inertial electromagnetic effects in matter. Gyromagnetic effect. Solid State Communications, 2012, 152, 1567-1571.	1.9	2
45	A generalization of the dipolar force. Journal of Applied Physics, 2012, 112, 024905.	2.5	2
46	On the molecular forces acting between macroscopic bodies. Physica B: Condensed Matter, 2013, 409, 57-62.	2.7	2
47	Tight-binding approximation for bulk and edge electronic states in graphene. Canadian Journal of Physics, 2015, 93, 580-584.	1.1	2
48	On the stability of a classical plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1831-1835.	2.1	2
49	Penetration depth of an electric field in a semi-infinite classical plasma. Optik, 2020, 220, 165009.	2.9	2
50	Atomic Clusters. , 2002, , 221-231.		2
51	On the high-temperature superconductivity of $Sr_x La_{2-x}CuO_4$?. Journal of Superconductivity and Novel Magnetism, 1989, 2, 513-528.	0.5	1
52	On a Thomas-Fermi Model of "Hollow" Atom. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 25-36.	0.6	1
53	THE CONDENSATION OF MATTER " A MODEL OF PHASE TRANSITION OF THE FIRST KIND. Modern Physics Letters B, 2007, 21, 893-901.	1.9	1
54	Dynamics of collective density modes in multi-component molecular mixtures. Physics and Chemistry of Liquids, 2009, 47, 35-44.	1.2	1

#	ARTICLE	IF	CITATIONS
55	Reflected and refracted electromagnetic fields in a semi-infinite body. Solid State Communications, 2009, 149, 1936-1939.	1.9	1
56	Dynamics of electron-positron pairs in a vacuum polarized by an external radiation field. Journal of Modern Optics, 2011, 58, 611-618.	1.3	1
57	Coupled nano-plasmons. Applied Physics A: Materials Science and Processing, 2014, 115, 387-392.	2.3	1
58	Displaced logarithmic profile of the velocity distribution in the boundary layer of a turbulent flow over an unbounded flat surface. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 3102-3107.	2.1	1
59	Molecular dynamics in high electric fields. Chemical Physics, 2016, 472, 262-269.	1.9	1
60	On unphysical terms in the elastic Hertz potentials. Acta Mechanica, 2017, 228, 2733-2736.	2.1	1
61	Theory of Atomic Clusters. , 2003, , 1-17.		1
62	A model for the thermodynamics of simple liquids. Physica B: Condensed Matter, 2008, 403, 3946-3949.	2.7	0
63	Electric flow through an ideal ferromagnet-superconductor junction. Physica C: Superconductivity and Its Applications, 2009, 469, 273-278.	1.2	0
64	Classical interaction of the electromagnetic radiation with two-level polarizable matter. Optik, 2012, 123, 193-196.	2.9	0
65	Scattering of Non-Relativistic Charged Particles by Electromagnetic Radiation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 1173-1177.	1.5	0
66	Fast Atom Ionization in Strong Electromagnetic Radiation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 461-466.	1.5	0
67	Screening length in concentrated electrolytes. Chemical Physics, 2022, 558, 111514.	1.9	0
68	On the theory of electrolytes: correlations, excluded volume and multiple-boundaries. Physics and Chemistry of Liquids, 0, , 1-12.	1.2	0