

Marian Apostol

List of Publications by Year in descending order

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all docs

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Screening length in concentrated electrolytes. <i>Chemical Physics</i> , 2022, 558, 111514.	1.9	0
2	On the dynamics of the lyophobic colloids. <i>Chemical Physics</i> , 2020, 531, 110660.	1.9	5
3	Penetration depth of an electric field in a semi-infinite classical plasma. <i>Optik</i> , 2020, 220, 165009.	2.9	2
4	On the stability of a classical plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 1831-1835.	2.1	2
5	Fast Atom Ionization in Strong Electromagnetic Radiation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018, 73, 461-466.	1.5	0
6	On unphysical terms in the elastic Hertz potentials. <i>Acta Mechanica</i> , 2017, 228, 2733-2736.	2.1	1
7	Scattering of Non-Relativistic Charged Particles by Electromagnetic Radiation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 1173-1177.	1.5	0
8	Molecular dynamics in high electric fields. <i>Chemical Physics</i> , 2016, 472, 262-269.	1.9	1
9	Tight-binding approximation for bulk and edge electronic states in graphene. <i>Canadian Journal of Physics</i> , 2015, 93, 580-584.	1.1	2
10	Displaced logarithmic profile of the velocity distribution in the boundary layer of a turbulent flow over an unbounded flat surface. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 3102-3107.	2.1	1
11	Coupled nano-plasmons. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 387-392.	2.3	1
12	On the molecular forces acting between macroscopic bodies. <i>Physica B: Condensed Matter</i> , 2013, 409, 57-62.	2.7	2
13	Non-inertial electromagnetic effects in matter. Gyromagnetic effect. <i>Solid State Communications</i> , 2012, 152, 1567-1571.	1.9	2
14	A generalization of the dipolar force. <i>Journal of Applied Physics</i> , 2012, 112, 024905.	2.5	2
15	Classical interaction of the electromagnetic radiation with two-level polarizable matter. <i>Optik</i> , 2012, 123, 193-196.	2.9	0
16	Dynamics of electron-positron pairs in a vacuum polarized by an external radiation field. <i>Journal of Modern Optics</i> , 2011, 58, 611-618.	1.3	1
17	Polaritonic pulse and coherent X- and gamma rays from Compton (Thomson) backscattering. <i>Journal of Applied Physics</i> , 2011, 109, 013307.	2.5	5
18	Coherent polarization driven by external electromagnetic fields. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4848-4852.	2.1	3

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19	PLASMONS AND DIFFRACTION OF AN ELECTROMAGNETIC PLANE WAVE BY A METALLIC SPHERE. Progress in Electromagnetics Research, 2009, 98, 97-118.	4.4	12
20	Dynamics of collective density modes in multi-component molecular mixtures. Physics and Chemistry of Liquids, 2009, 47, 35-44.	1.2	1
21	Reflection and refraction of the electromagnetic field in a semi-infinite plasma. Optics Communications, 2009, 282, 4329-4332.	2.1	3
22	Plasmons and polaritons in a semi-infinite plasma and a plasma slab. Physica B: Condensed Matter, 2009, 404, 3775-3781.	2.7	3
23	Reflected and refracted electromagnetic fields in a semi-infinite body. Solid State Communications, 2009, 149, 1936-1939.	1.9	1
24	Electric flow through an ideal ferromagnet-superconductor junction. Physica C: Superconductivity and Its Applications, 2009, 469, 273-278.	1.2	0
25	Coherence domains in matter interacting with radiation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 379-384.	2.1	14
26	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
27	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
28	A model for the thermodynamics of simple liquids. Physica B: Condensed Matter, 2008, 403, 3946-3949.	2.7	0
29	Density oscillations in a model of water and other similar liquids. Physics and Chemistry of Liquids, 2008, 46, 653-668.	1.2	6
30	THE CONDENSATION OF MATTER - A MODEL OF PHASE TRANSITION OF THE FIRST KIND. Modern Physics Letters B, 2007, 21, 893-901.	1.9	1
31	Theory of Atomic Clusters. , 2003, , 1-17.		1
32	Atomic Clusters. , 2002, , 221-231.		2
33	Iron-hydrocarbon cluster Fe ₁₃ (C ₂ H ₂) ₆ . Chemical Physics Letters, 2001, 344, 287-291.	2.6	5
34	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
35	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
36	On a Thomas-Fermi Model of "Hollow" Atom. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 25-36.	0.6	1

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37	On sodium clusters in C60 fullerenes. Canadian Journal of Chemistry, 1997, 75, 77-82.	1.1	3
38	Dimensionality effects in the ideal Bose and Fermi gases. Physical Review E, 1997, 56, 4854-4856.	2.1	10
39	NMR studies of alkali fullerenes: Rb1C60 and Cs1C60. Synthetic Metals, 1996, 77, 115-117.	3.9	7
40	On the low-dimensional solids and their melting. Synthetic Metals, 1996, 79, 253-257.	3.9	4
41	On the geometrical factor in the off-centre diffusion. Journal of Physics and Chemistry of Solids, 1996, 57, 1231-1241.	4.0	5
42	On the structural distortion in Rb3C60 and K3C60 revealed by. Solid State Communications, 1996, 98, 253-257.	1.9	13
43	A note on off-centre diffusion. Solid State Communications, 1995, 94, 153-155.	1.9	6
44	Off-centre sites in alkali fullerenes. Solid State Communications, 1995, 96, 583-587.	1.9	4
45	Off-center sites in some lightly intercalated alkali-metal fullerenes. Physical Review B, 1995, 52, 15031-15034.	3.2	10
46	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
47	Zero-sound solitons in an interacting electron gas in one dimension. Physical Review B, 1992, 45, 4509-4511.	3.2	2
48	Quantum-Mechanical Concepts in the Waveguides Theory. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 935-940.	1.5	3
49	The orthorhombic-to-tetragonal transition in La ^x MxCuO4. Solid State Communications, 1991, 80, 529-533.	1.9	3
50	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
51	On the mechanism of high-temperature superconductivity in Ba ^x La ^y Cu ^z O type systems. Solid State Communications, 1988, 67, 425-429.	1.9	3
52	The relation between the critical temperature and the oxygen content of the superconducting phase YBa2Cu3O2. Philosophical Magazine Letters, 1988, 57, 305-309.	1.2	4
53	Cut-off parameters of the bosonisation technique in one dimension. Journal of Physics C: Solid State Physics, 1987, 20, 3111-3124.	1.5	2
54	Dynamical Alpha-Type Correlations in Deformed Superfluid Nuclei. Europhysics Letters, 1987, 4, 197-204.	2.0	5

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55	Alpha-like four nucleon correlations in superfluid phases of atomic nuclei. Nuclear Physics A, 1987, 470, 64-78.	1.5	19
56	Four-fermion condensate. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 110, 141-144.	2.1	2
57	Incommensurate pinning mechanism in KCP. Solid State Communications, 1985, 53, 687-690.	1.9	11
58	Modulated-impurity mechanism of pinning in KCP. Journal of Physics C: Solid State Physics, 1985, 18, 6135-6147.	1.5	11
59	Bosonisation of the one-dimensional two-fermion model: boson representation. Journal of Physics C: Solid State Physics, 1983, 16, 5937-5957.	1.5	10
60	Electron-phonon coupling in one dimension. Journal of Physics C: Solid State Physics, 1982, 15, 3319-3331.	1.5	15
61	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
62	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
63	Density Excitation Spectrum of the One-Dimensional Fermi Gas. Physica Status Solidi (B): Basic Research, 1981, 103, 411-418.	1.5	4
64	Backscattering in the one-dimensional many-fermion system. Solid State Communications, 1981, 37, 257-260.	1.9	3
65	Ward identity for non-relativistic fermions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 78, 91-92.	2.1	3
66	Transfer matrix approach to axial hyperchanneling. Physica Status Solidi (B): Basic Research, 1975, 67, 609-617.	1.5	2
67	Planar channeling and transfer matrix technique. Physics Letters, Section A: General, Atomic and Solid State Physics, 1973, 44, 259-260.	2.1	3
68	On the theory of electrolytes: correlations, excluded volume and multiple-boundaries. Physics and Chemistry of Liquids, 0, , 1-12.	1.2	0