

Arthur P Smith

List of Publications by Year in descending order

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30
papers

1,010
citations

567281

15
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1015
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics Subject Headings (PhySH). Knowledge Organization, 2020, 47, 257-266.	0.2	2
2	From PACS to PhySH. Nature Reviews Physics, 2019, 1, 8-11.	26.6	7
3	Achieving human and machine accessibility of cited data in scholarly publications. PeerJ Computer Science, 2015, 1, e1.	4.5	89
4	COMMENT ON "FALSIFICATION OF THE ATMOSPHERIC CO_2 GREENHOUSE EFFECTS WITHIN THE FRAME OF PHYSICS". International Journal of Modern Physics B, 2010, 24, 1309-1332.	2.0	6
5	Energy Possibilities: Windows, Windmills, and Satellites. Physics Today, 2002, 55, 75-75.	0.3	0
6	The journal as an overlay on preprint databases. Learned Publishing, 2000, 13, 43-48.	1.7	17
7	Diffusion of Ge below the Si(100) Surface: Theory and Experiment. Physical Review Letters, 2000, 84, 2441-2444.	7.8	78
8	Dimer and String Formation during Low Temperature Silicon Deposition on Si(100). Physical Review Letters, 1996, 77, 1326-1329.	7.8	45
9	Investigation of the reliability of density functional methods: Reaction and activation energies for Si-Si bond cleavage and H ₂ elimination from silanes. Journal of Chemical Physics, 1996, 104, 148-158.	3.0	112
10	Experimental and Theoretical Study of the Rotation of Si Ad-dimers on the Si(100) Surface. Physical Review Letters, 1996, 77, 2518-2521.	7.8	102
11	Optical properties of the vibrations in charged C ₆₀ molecules. Physical Review B, 1996, 53, 7002-7005.	3.2	4
12	Quasi-two-dimensional quantum states of H ₂ in stage-2 Rb-intercalated graphite. Physical Review B, 1996, 53, 10187-10199.	3.2	14
13	Silicon AD-Dimer Binding on Si(100). Materials Research Society Symposia Proceedings, 1995, 389, 35.	0.1	1
14	Optical properties of C ₆₀ vibrations. Physical Review B, 1995, 52, 7876-7878.	3.2	18
15	Si adatom binding and diffusion on the Si(100) surface: Comparison of ab initio, semiempirical and empirical potential results. Journal of Chemical Physics, 1995, 102, 1044-1056.	3.0	71
16	Atomic structure of $\sqrt{2} \times \sqrt{2}$ -SiC(100) surfaces: an ab initio study. Surface Science, 1995, 330, 265-275.	1.9	65
17	Charge transfer in Rb-intercalated graphites. Physical Review B, 1994, 49, 7786-7789.	3.2	9
18	Atomic potentials for Rb and K graphite intercalation compounds. Physical Review B, 1994, 49, 5050-5053.	3.2	3

#	ARTICLE	IF	CITATIONS
19	The sphere packing problem in quasicrystals. <i>Journal of Non-Crystalline Solids</i> , 1993, 153-154, 258-263.	3.1	21
20	Effect of semicore banding on heavy-alkali-metal lattice constants: Corrections to the frozen-core approximation. <i>Physical Review B</i> , 1993, 47, 16101-16106.	3.2	6
21	Quasiparticle effective mass and enhanced g factor for a two-dimensional electron gas at intermediate magnetic fields. <i>Physical Review B</i> , 1992, 45, 8829-8832.	3.2	66
22	Stable one-component quasicrystals. <i>Physical Review B</i> , 1991, 43, 11635-11641.	3.2	16
23	Electrostatic energy of a one-component quasicrystal. <i>Physical Review B</i> , 1990, 42, 1189-1199.	3.2	15
24	Fluctuating pseudoatoms in metallic fluids. <i>Journal of Chemical Physics</i> , 1989, 91, 1843-1854.	3.0	25
25	Comment on "Icosahedral quasiperiodic ground states". <i>Physical Review Letters</i> , 1989, 63, 2768-2768.		6
26	Rapid convergence of lattice sums and structural integrals in ordered and disordered systems. <i>Physical Review B</i> , 1988, 38, 12942-12947.	3.2	20
27	The role of fluctuations in spontaneous metamagnetism. <i>Journal of Applied Physics</i> , 1988, 64, 5633-5635.	2.5	1
28	Pseudopotentials and quasicrystals. <i>Physical Review Letters</i> , 1987, 59, 1365-1368.	7.8	178
29	Kinetics of the complex order parameter in the Landau-Ginzburg model of spontaneous phase transitions. <i>Physical Review B</i> , 1987, 36, 2190-2203.	3.2	9
30	A critical effect in the Rayleigh-wing spectrum of argon. <i>Chemical Physics Letters</i> , 1984, 107, 83-85.	2.6	4