

Steve Patitsas

List of Publications by Year in descending order

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19
papers

384
citations

1163117

8
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic transport calculations showing electron-phonon separation in directions transverse to high current. <i>Journal of Physics Communications</i> , 2021, 5, 095007.	1.2	2
2	Nonequilibrium phase transitions and pattern formation as consequences of second-order thermodynamic induction. <i>Physical Review E</i> , 2019, 100, 022116.	2.1	4
3	Cooling by Thermodynamic Induction. <i>Journal of Low Temperature Physics</i> , 2017, 186, 316-346.	1.4	1
4	Thermodynamically induced particle transport: Order-by-induction and entropic trapping at the nano-scale. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 604-628.	2.6	2
5	Thermodynamic induction effects exhibited in nonequilibrium systems with variable kinetic coefficients. <i>Physical Review E</i> , 2014, 89, 012108.	2.1	3
6	Onsager symmetry relations and ideal gas effusion: A detailed example. <i>American Journal of Physics</i> , 2014, 82, 123-134.	0.7	1
7	Can MOND type hypotheses be tested in a free fall laboratory environment?. <i>Physical Review D</i> , 2013, 87, .	4.7	9
8	Stability analysis for axially-symmetric magnetic field levitation of a superconducting sphere. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 12-18.	1.2	3
9	Spectroscopic scanning tunnel microscopy of Cl ⁻ /Si(111)7 \times 7: Determination of Cl ⁻ Γ^* resonance line shape. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 895-902.	1.3	2
10	STM study of charge transfer and the role of rest-atoms in the binding of benzene to Si(111)7 \times 7. <i>Surface Science</i> , 2008, 602, 630-637.	1.9	14
11	Site selective atomic chlorine adsorption on the Si(111)7 \times 7 surface. <i>Surface Science</i> , 2007, 601, L1-L5.	1.9	7
12	Inducing Desorption of Organic Molecules with a Scanning Tunneling Microscope: Theory and Experiments. <i>Physical Review Letters</i> , 2000, 85, 5372-5375.	7.8	112
13	Current-induced organic molecule \rightarrow silicon bond breaking: consequences for molecular devices. <i>Surface Science</i> , 2000, 457, L425-L431.	1.9	63
14	Covalent bonding of thiophenes to Si(111) by a halogenation/thienylation route 1 Issued as NRCC Publ. No. 40854.1. <i>Chemical Physics Letters</i> , 1998, 286, 508-514.	2.6	65
15	Resonant inelastic soft X-ray scattering at the Si L3 edge: experiment and theory. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 93, 245-250.	1.7	25
16	Soft \rightarrow X-ray fluorescence of porous silicon: electronic structure of Si nanostructures. <i>Europhysics Letters</i> , 1997, 37, 133-138.	2.0	8
17	Quantum confinement effects in the soft X-ray fluorescence spectra of porous silicon nanostructures. <i>Solid State Communications</i> , 1996, 97, 549-552.	1.9	27
18	Soft X-ray emission of porous silicon nanostructures. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1996, 79, 135-138.	1.7	4

#	ARTICLE	IF	CITATIONS
19	Effect of thermal annealing on the conduction- and valence-band quantum shifts in porous silicon. Physical Review B, 1994, 50, 2719-2722.	3.2	31