

Ramdas Ram-Mohan

List of Publications by Year in descending order

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18
papers

170
citations

1684188

5
h-index

1125743

13
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19
all docs

19
docs citations

19
times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagonal representation for the transfer-matrix method for obtaining electronic energy levels in layered semiconductor heterostructures. <i>Physical Review B</i> , 1992, 45, 1204-1212.	3.2	37
2	The Schrödinger-Poisson self-consistency in layered quantum semiconductor structures. <i>Journal of Applied Physics</i> , 2004, 95, 3081-3092.	2.5	31
3	Quantum mechanics on a Möbius ring: Energy levels, symmetry, optical transitions, and level splitting in a magnetic field. <i>Physical Review B</i> , 2012, 85, .	3.2	29
4	Size-dependent impurity activation energy in GaN nanowires. <i>Applied Physics Letters</i> , 2009, 94, 142102.	3.3	25
5	Wavefunction engineering of layered semiconductors: theoretical foundations. <i>Journal of Physics Condensed Matter</i> , 2006, 18, R901-R917.	1.8	17
6	Ternary diffusion path in terms of eigenvalues and eigenvectors. <i>Philosophical Magazine</i> , 2016, 96, 938-954.	1.6	5
7	Tuning spatial entanglement in interacting two-electron quantum dots. <i>Physical Review B</i> , 2020, 101, .	3.2	5
8	States confined in the barriers of type-III HgTe/CdTe superlattices. <i>Journal of Electronic Materials</i> , 1993, 22, 1103-1106.	2.2	4
9	Cavity electrostatics with Hermite interpolation: Role of symmetry and degeneracies. <i>Journal of Applied Physics</i> , 2018, 124, 213106.	2.5	4
10	Electron scattering in quantum waveguides with sources and absorbers. II. Applications. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	3
11	Energy spectrum of layered semiconductors in a magnetic field parallel to the layers: Voigt geometry. <i>Physical Review B</i> , 2010, 82, .	3.2	2
12	Effect of hydrostatic pressure on the electron-phonon scattering in GaAs. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	2
13	Electron scattering in quantum waveguides with sources and absorbers. I. Theoretical formalism. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	2
14	Non-asymptotic quantum scattering theory to design high-mobility lateral transition-metal dichalcogenide heterostructures. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	2
15	Removal of accidental degeneracy in semiconductor quantum dots. <i>Physical Review B</i> , 2017, 96, .	3.2	1
16	Exploration of the duality between generalized geometry and extraordinary magnetoresistance. <i>Physical Review B</i> , 2020, 101, .	3.2	1
17	Wavefunction Engineering of Layered Quantum Semiconductor Structures: Recent Progress. <i>Materials Research Society Symposia Proceedings</i> , 2005, 891, 1.	0.1	0
18	ELECTRONIC PARAMETER AND SUBBAND STRUCTURE VARIATIONS DUE TO AN EMBEDDED AlN POTENTIAL BARRIER LAYER IN Al _{0.3} Ga _{0.7} N/GaN HETEROSTRUCTURES. <i>Surface Review and Letters</i> , 2007, 14, 807-811.	1.1	0