

Hamidreza Simchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3321762/publications.pdf>

Version: 2024-02-01

26
papers

163
citations

1307594

7
h-index

1199594

12
g-index

26
all docs

26
docs citations

26
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin polarization in lateral two-dimensional heterostructures. Journal of Physics Condensed Matter, 2021, 33, 145303.	1.8	1
2	Interface dark excitons at sharp lateral two-dimensional heterostructures. Physica Scripta, 2021, 96, 045815.	2.5	0
3	Phase transition and field effect topological quantum transistor made of monolayer MoS ₂ . Journal of Physics Condensed Matter, 2018, 30, 235303.	1.8	2
4	Trivial and non-trivial superconductivity in dsDNA. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2489-2492.	2.1	0
5	Graphene-based three-body amplification of photon heat tunneling. Journal of Applied Physics, 2017, 121, .	2.5	7
6	Perfect valley polarization in MoS ₂ . European Physical Journal B, 2017, 90, 1.	1.5	2
7	Phase transition and spin-resolved transport in MoS ₂ . Physical Review B, 2016, 94, .	2.5	0
8	DNA Sequencing Using Quantum Interference in Carbon Based Quantum Rings. Journal of Computational and Theoretical Nanoscience, 2015, 12, 3578-3582.	0.4	0
9	Tunable spin and charge transport in silicene nanoribbons. Physical Review B, 2015, 92, .	3.2	67
10	Proximity-induced superconductivity effect in a double-stranded DNA. Journal of Applied Physics, 2014, 115, 054702.	2.5	1
11	The effect of a magnetic field on the spin-selective transport in double-stranded DNA. Journal of Applied Physics, 2014, 115, 204701.	2.5	7
12	Spin-dependent electron transport in zinc- and manganese-doped adenine molecules. Journal of Applied Physics, 2014, 115, 044701.	2.5	2
13	The electronic transport properties of porous zigzag graphene clusters. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 54, 220-225.	2.7	3
14	Double-stranded DNA field effect transistor and logical cells. Journal of Applied Physics, 2013, 113, .	2.5	9
15	Electron transport through nano-MOSFET in presence of electron-electron interaction. AIP Advances, 2013, 3, 032124.	1.3	6
16	Spin transport and spin polarization properties in double-stranded DNA. Journal of Applied Physics, 2013, 114, 194706.	2.5	3
17	Simultaneous quality improvement of the roughness and refractive index of SiC thin films. Journal of Semiconductors, 2012, 33, 063001.	3.7	2
18	Ab initio study on the effects of MoO ₃ molecule on graphene clusters. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1675-1679.	2.7	2

#	ARTICLE	IF	CITATIONS
19	Electronic and spin transport properties of a benzene molecule connected to graphene leads. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1735-1743.	1.5	3
20	Characterization of photodiodes, made from a p-type epitaxial layer grown on n-type InSb by LPE method. <i>Infrared Physics and Technology</i> , 2010, 53, 315-319.	2.9	4
21	Ar ⁺ ion milling of InSb for manufacturing single electron devices. <i>Infrared Physics and Technology</i> , 2009, 52, 113-118.	2.9	2
22	Passivation of InSb surface for manufacturing infrared devices. <i>Infrared Physics and Technology</i> , 2008, 51, 263-269.	2.9	13
23	Relativistic effects, infrared intensities, diffusion and lithiation in InSb. <i>Computational Materials Science</i> , 2007, 40, 557-561.	3.0	1
24	Cleaning InSb wafers for manufacturing InSb detectors. <i>EPJ Applied Physics</i> , 2006, 33, 1-4.	0.7	14
25	Optimisation of cooled InSb detectors. <i>III-Vs Review</i> , 2004, 17, 27-31.	0.0	3
26	Raman spectra and infrared intensities of graphene-like clusters in compared to epitaxial graphene on SiC. <i>Indian Journal of Physics</i> , 0, , 1.	1.8	0