Dmitry A Ryndyk

List of Publications by Year
in descending order

39 papers	847 citations	430843 18 h-index	477281 29 g-index
40 all docs	40 docs citations	40 times ranked	1189 citing authors

#	Article	IF	Citations
1	One-way rotation of a chemically anchored single molecule-rotor. Nanoscale, 2021, 13, 16077-16083.	5.6	11
2	Onâ€Surface Formation of Cyanoâ€Vinylene Linked Chains by Knoevenagel Condensation. Chemistry - A European Journal, 2021, 27, 17336-17340.	3.3	4
3	STM induced manipulation of azulene-based molecules and nanostructures: the role of the dipole moment. Nanoscale, 2020, 12, 24471-24476.	5.6	10
4	Dephasing in a Molecular Junction Viewed from a Time-Dependent and a Time-Independent Perspective. Journal of Physical Chemistry C, 2019, 123, 9590-9599.	3.1	5
5	On-surface synthesis of nitrogen-doped nanographenes with 5â€“7 membered rings. Chemical Communications, 2019, 55, 4731-4734.	4.1	23
6	Vibronic dephasing model for coherent-to-incoherent crossover in DNA. Physical Review B, 2018, 97, .	3.2	7
7	Hexacene generated on passivated silicon. Nanoscale, 2018, 10, 12582-12587.	5.6	7
8	Electronic Resonances and Gap Stabilization of Higher Acenes on a Gold Surface. ACS Nano, 2018, 12, 8506-8511.	14.6	42
9	Tuning the conductance of a molecular wire by the interplay of donor and acceptor units. Nanoscale, 2018, 10, 17131-17139.	5.6	4
10	Imaging the electronic structure of on-surface generated hexacene. Chemical Communications, 2017, 53, 1583-1586.	4.1	54
11	On-Surface Annulation Reaction Cascade for the Selective Synthesis of Diindenopyrene. ACS Nano, 2017, 11, 12419-12425.	14.6	18
12	Molecular Self-Assembly Driven by On-Surface Reduction: Anthracene and Tetracene on Au(111). Journal of Physical Chemistry C, 2017, 121, 20353-20358.	3.1	11
13	Impact of incomplete metal coverage on the electrical properties of metal-CNT contacts: A large-scale ab initio study. Applied Physics Letters, 2016, 109, .	3.3	10
14	The modular approach enables a fullyab initiosimulation of the contacts between 3D and 2D materials. Journal of Physics Condensed Matter, 2016, 28, 395303.	1.8	6
15	Towards an optimal contact metal for CNTFETs. Nanoscale, 2016, 8, 10240-10251.	5.6	54
16	Thermoelectric properties of nanocarbons: Atomistic modeling. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 591-602.	1.8	4
17	Influence of organic ligands on the line shape of the Kondo resonance. Physical Review B, 2016, 93, .	3.2	7
18	Electronically Driven Single-Molecule Switch on Silicon Dangling Bonds. Journal of Physical Chemistry C, 2016, 120, 27027-27032.	3.1	6

#	Article	IF	Citations
19	Contact-dependent mechanical properties of graphene nanoribbons: anab initiostudy. Nanotechnology, 2016, 27, 025702.	2.6	1
20	Vibrons and PolaronsVibrons and polarons. Springer Series in Solid-state Sciences, 2016, , 149-170.	0.3	0
21	Some Nonequilibrium Problems. Springer Series in Solid-state Sciences, 2016, , 221-243.	0.3	0
22	Enhanced thermoelectric figure of merit in polycrystalline carbon nanostructures. Physical Review B, 2015, 92, .	3.2	21
23	Electron transport in extended carbon-nanotube/metal contacts:Ab initiobased Green function method. Physical Review B, 2015, 91, .	3.2	16
24	Optoelectronic switching of nanowire-based hybrid organic/oxide/semiconductor field-effect transistors. Nano Research, 2015, 8, 1229-1240.	10.4	32
25	Tuning the formation of discrete coordination nanostructures. Chemical Communications, 2015, 51, 12621-12624.	4.1	27
26	Electrical characteristics of the carbon nanotube field-effect transistors with extended contacts obtained within ab-initio based model. , 2015, , .		0
27	Combined effect of strain and defects on the conductance of graphene nanoribbons. Physical Review B, 2013, 88, .	3.2	34
28	Many-body localized molecular orbital approach to molecular transport. Physical Review B, 2013, 88, .	3.2	18
29	Influencing the conductance in biphenylâ€like molecular junctions with THz radiation. Physica Status Solidi (B): Basic Research, 2013, 250, 2408-2416.	1.5	3
30	Edge state effects in junctions with graphene electrodes. Physical Review B, 2012, 86, .	3.2	20
31	Single-spin polaron memory effect in quantum dots and single molecules. Physical Review B, 2010, 81, .	3.2	7
32	Effect of Microwaves on the Current-Phase Relation of Superconductorâ€“Normal-Metalâ€“Superconductor Josephson Junctions. Physical Review Letters, 2009, 102, 127001.	7.8	30
33	Scanning Tunneling Spectroscopy of Single DNA Molecules. ACS Nano, 2009, 3, 1651-1656.	14.6	27
34	Electronic structure of single DNA molecules resolved by transverse scanning tunnelling spectroscopy. Nature Materials, 2008, 7, 68-74.	27.5	140
35	Charge-memory effect in a polaron model: equation-of-motion method for Green functions. New Journal of Physics, 2008, 10, 085002.	2.9	20
36	Charge-memory polaron effect in molecular junctions. Physical Review B, 2008, 78, .	3.2	24

#	Article	IF	Citations
37	Molecular junctions in the Coulomb blockade regime: Rectification and nesting. Physical Review B, 2007, 76, .	3.2	38
38	Nonequilibrium resonant spectroscopy of molecular vibrons. Physical Review B, 2007, 76, .	3.2	33
39	Collective Dynamics of Intrinsic Josephson Junctions in High-TcSuperconductors. Physical Review Letters, 1998, 80, 3376-3379.	7.8	73