

Olga V Molodtsova

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/632449/publications.pdf>

Version: 2024-02-01

44
papers

1,104
citations

430874

18
h-index

395702

33
g-index

45
all docs

45
docs citations

45
times ranked

1553
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene Synthesis on Cubic SiC/Si Wafers. Perspectives for Mass Production of Graphene-Based Electronic Devices. <i>Nano Letters</i> , 2010, 10, 992-995.	9.1	199
2	Transition metal phthalocyanines: Insight into the electronic structure from soft x-ray spectroscopy. <i>Journal of Chemical Physics</i> , 2012, 137, 054306.	3.0	92
3	Electronic properties of the organic semiconductor interfaces CuPc~C60 and C60~CuPc. <i>Journal of Applied Physics</i> , 2006, 99, 053704.	2.5	73
4	Spin and Orbital Ground State of Co in Cobalt Phthalocyanine. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8917-8922.	2.5	66
5	Engineering of the Energy Level Alignment at Organic Semiconductor Interfaces by Intramolecular Degrees of Freedom: Transition Metal Phthalocyanines. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13219-13222.	3.1	46
6	Electronic properties of potassium-doped CuPc. <i>Journal of Applied Physics</i> , 2005, 98, 093702.	2.5	44
7	Chemistry and electronic properties of a metal-organic semiconductor interface: In on CuPc. <i>Physical Review B</i> , 2005, 72, .	3.2	43
8	The electronic structure of cobalt phthalocyanine. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 485-489.	2.3	40
9	Electronic structure of pristine CuPc: Experiment and calculations. <i>Applied Surface Science</i> , 2007, 254, 20-25.	6.1	37
10	Molecular orientation and ordering in CoPc and FePc thin films grown on Au(001)-5Å–20. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	37
11	Electronic structure of the organic semiconductor copper phthalocyanine: Experiment and theory. <i>Journal of Chemical Physics</i> , 2008, 128, 034703.	3.0	32
12	Continuous wafer-scale graphene on cubic-SiC(001). <i>Nano Research</i> , 2013, 6, 562-570.	10.4	31
13	Graphene on cubic-SiC. <i>Progress in Materials Science</i> , 2017, 89, 1-30.	32.8	30
14	Ferromagnetic cobalt and iron top contacts on an organic semiconductor: Evidence for a reacted interface. <i>Organic Electronics</i> , 2009, 10, 8-11.	2.6	27
15	Large positive in-plane magnetoresistance induced by localized states at nanodomain boundaries in graphene. <i>Nature Communications</i> , 2017, 8, 14453.	12.8	27
16	Electronic properties of potassium-doped FePc. <i>Organic Electronics</i> , 2010, 11, 1461-1468.	2.6	24
17	Electronic properties of the organic semiconductor hetero-interface CuPc/C60. <i>Applied Surface Science</i> , 2005, 252, 143-147.	6.1	21
18	Transport Gap Opening and High On~Off Current Ratio in Trilayer Graphene with Self-Aligned Nanodomain Boundaries. <i>ACS Nano</i> , 2015, 9, 8967-8975.	14.6	21

#	ARTICLE	IF	CITATIONS
19	Bulk and Surface Switching in Mn ²⁺ Fe-Based Prussian Blue Analogues. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14158-14167.	3.1	18
20	Prediction of the Equilibrium Structures and Photomagnetic Properties of the Prussian Blue Analogue RbMn[Fe(CN) ₆] by Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5742-5748.	2.5	17
21	Unoccupied electronic states in an organic semiconductor probed with x-ray spectroscopy and first-principles calculations. <i>Journal of Chemical Physics</i> , 2008, 129, 154705.	3.0	16
22	Properties of hybrid organic-inorganic systems: Au nanoparticles embedded into an organic CuPc matrix. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	14
23	Rotated domain network in graphene on cubic-SiC(001). <i>Nanotechnology</i> , 2014, 25, 135605.	2.6	14
24	Layer-by-Layer Graphene Growth on β -SiC/Si(001). <i>ACS Nano</i> , 2019, 13, 526-535.	14.6	14
25	The unoccupied electronic structure of potassium doped copper phthalocyanine studied by near edge absorption fine structure. <i>Journal of Applied Physics</i> , 2008, 103, 053711.	2.5	13
26	Consistent experimental determination of the charge neutrality level and the pillow effect at metal/organic interfaces. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	12
27	Morphology and properties of a hybrid organic-inorganic system: Al nanoparticles embedded into CuPc thin film. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	12
28	A new dynamic-XPS end-station for beamline P04 at PETRA III/DESY. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 777, 189-193.	1.6	11
29	Potassium doped Co phthalocyanine films: Charge transfer to the metal center and the ligand ring. <i>Organic Electronics</i> , 2011, 12, 372-375.	2.6	10
30	Silver on copper phthalocyanine: Abrupt and inert interfaces. <i>Applied Surface Science</i> , 2007, 254, 99-102.	6.1	9
31	Systematic study of niobium thermal treatments for superconducting radio frequency cavities employing x-ray photoelectron spectroscopy. <i>Superconductor Science and Technology</i> , 2022, 35, 065019.	3.5	8
32	Noble metal nanoparticles in organic matrix. <i>Applied Surface Science</i> , 2020, 506, 144980.	6.1	7
33	Formation of sharp metal-organic semiconductor interfaces: Ag and Sn on CuPc. <i>European Physical Journal B</i> , 2007, 57, 379-384.	1.5	6
34	A photochemical approach for a fast and self-limited covalent modification of surface supported graphene with photoactive dyes. <i>Nanotechnology</i> , 2018, 29, 275705.	2.6	6
35	Chemistry and electronic properties of ferromagnetic metal-organic semiconductor interfaces: Fe on CuPc. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2763-2770.	1.8	5
36	Hybrid organic-inorganic systems formed by self-assembled gold nanoparticles in CuPcF ₄ molecular crystal. <i>Organic Electronics</i> , 2016, 32, 228-236.	2.6	5

#	ARTICLE	IF	CITATIONS
37	2D/3D Metallic Nano-objects Self-Organized in an Organic Molecular Thin Film. ACS Omega, 2020, 5, 10441-10450.	3.5	4
38	Surface functionalization of few-layer graphene on Si^2 -SiC(001) by Neutral Red dye. Applied Surface Science, 2022, 585, 152542.	6.1	4
39	Potassium doped CuPc: Electronic and atomic structure formation. European Physical Journal Special Topics, 2006, 132, 121-125.	0.2	2
40	Characterisation of metal-organic semiconductor interfaces: In and Sn on CuPc. European Physical Journal Special Topics, 2006, 132, 101-104.	0.2	2
41	In-situ study of multi-phase indium nanoparticle growth on/into CuPcF4 organic thin film in ultra-high vacuum conditions. Applied Surface Science, 2021, 546, 149136.	6.1	2
42	Core-level photoelectron study of indium chains on Si(111) at 10K. Journal of Electron Spectroscopy and Related Phenomena, 2010, 177, 1-4.	1.7	1
43	Morphology and Electronic Properties of Hybrid Organic-Inorganic System: Ag Nanoparticles Embedded into CuPc Matrix. Advances in Materials Physics and Chemistry, 2012, 02, 60-62.	0.7	1
44	Controllable Synthesis of Few-Layer Graphene on Si^2 -SiC(001). , 0, , .		0