

Yuriy S Dedkov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1391223/yuriy-s-dedkov-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

4,532
citations

36
h-index

65
g-index

140
ext. papers

4,832
ext. citations

4
avg, IF

5.59
L-index

#	Paper	IF	Citations
138	Mott-Hubbard insulating state for the layered van der Waals [Formula: see text] (X: S, Se) as revealed by NEXAFS and resonant photoelectron spectroscopy.. <i>Scientific Reports</i> , 2022 , 12, 735	4.9	4
137	Realization of the electric-field driven π -material-based magnetic tunnel junction using van der Waals antiferromagnetic MnPX ₃ (X: S, Se). <i>Journal of Materials Chemistry C</i> , 2022 , 10, 3812-3818	7.1	4
136	Electronic and Magnetic Properties of the Graphene/Y/Co(0001) Interfaces: Insights from the Density Functional Theory Analysis.. <i>ACS Omega</i> , 2022 , 7, 7304-7310	3.9	0
135	Adsorption of Water Molecules on Pristine and Defective NiPX ₃ (X: S, Se) Monolayers. <i>Advanced Theory and Simulations</i> , 2021 , 4, 2100182	3.5	4
134	Correlations in the Electronic Structure of van der Waals NiPS Crystals: An X-ray Absorption and Resonant Photoelectron Spectroscopy Study. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2400-2405	6.4	9
133	Adsorption of water on the pristine and defective semiconducting 2D CrP monolayers (X: S, Se). <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	5
132	Second Floor of Flatland: Epitaxial Growth of Graphene on Hexagonal Boron Nitride. <i>Small</i> , 2021 , 17, e2102747	11	0
131	Graphene Layer Morphology as an Indicator of the Metal Alloy Formation at the Interface. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 19-25	6.4	3
130	Second Floor of Flatland: Epitaxial Growth of Graphene on Hexagonal Boron Nitride (Small 36/2021). <i>Small</i> , 2021 , 17, 2170188	11	
129	Influence of surface and subsurface Co _{1-x} alloy on the electronic properties of graphene. <i>Carbon</i> , 2021 , 183, 251-258	10.4	2
128	Topological Quasi-2D Semimetal CoSnS: Insights into Electronic Structure from NEXAFS and Resonant Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9807-9811	6.4	2
127	Dirac Fermions in Half-Metallic Ferromagnetic Mixed Cr _{1-x} MxPSe ₃ Monolayers. <i>Advanced Theory and Simulations</i> , 2020 , 3, 2000228	3.5	8
126	Epitaxial graphene/Ge interfaces: a minireview. <i>Nanoscale</i> , 2020 , 12, 11416-11426	7.7	10
125	To the synthesis and characterization of layered metal phosphorus triselenides proposed for electrochemical sensing and energy applications. <i>Chemical Physics Letters</i> , 2020 , 754, 137627	2.5	5
124	Tip-Induced Inversion of the Chirality of a Molecule's Adsorption Potential Probed by the Switching Directionality. <i>Advanced Materials</i> , 2020 , 32, e1907390	24	1
123	Quantum Well States for Graphene Spin-Texture Engineering. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1594-1600	6.4	3
122	Electronic, magnetic and optical properties of MnPX (X = S, Se) monolayers with and without chalcogen defects: a first-principles study.. <i>RSC Advances</i> , 2020 , 10, 851-864	3.7	22

121	Intercalation of Mn in graphene/Cu(111) interface: insights to the electronic and magnetic properties from theory. <i>Scientific Reports</i> , 2020 , 10, 21684	4.9	3
120	Electronic Structure and Magnetic Properties of Graphene/Ni ₃ Mn/Ni(111) Trilayer. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 4994-5002	3.8	3
119	Intercalation of O ₂ and N ₂ in the Graphene/Ni Interfaces of Different Morphologies. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16137-16145	3.8	3
118	Dirac Electron Behavior for Spin-Up Electrons in Strongly Interacting Graphene on Ferromagnetic MnGe. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3212-3216	6.4	4
117	Unoccupied electronic band structure of pentagonal Si nanoribbons on Ag(110). <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17811-17820	3.6	7
116	The graphene/n-Ge(110) interface: structure, doping, and electronic properties. <i>Nanoscale</i> , 2018 , 10, 6088-6098	7.7	21
115	Layer-by-Layer Decoupling of Twisted Graphene Sheets Epitaxially Grown on a Metal Substrate. <i>Small</i> , 2018 , 14, e1703701	11	15
114	Realistic Large-Scale Modeling of Rashba and Induced Spin-Orbit Effects in Graphene/High-Z-Metal Systems. <i>Advanced Theory and Simulations</i> , 2018 , 1, 1800063	3.5	6
113	Graphene Properties on Metals 2018 , 138-144		
112	Decoupling of graphene from Ni(111) via formation of an interfacial NiO layer. <i>Carbon</i> , 2017 , 121, 10-16	10.4	30
111	Spectroscopic and DFT studies of graphene intercalation systems on metals. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017 , 219, 77-85	1.7	9
110	Local electronic properties of the graphene-protected giant Rashba-split BiAg ₂ surface. <i>Physical Review B</i> , 2017 , 95,	3.3	4
109	Adsorption of Water and Ammonia on Graphene: Evidence for Chemisorption from X-ray Absorption Spectra. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3668-3672	6.4	15
108	Comment on "Spin-Orbit Coupling Induced Gap in Graphene on Pt(111) with Intercalated Pb Monolayer". <i>ACS Nano</i> , 2017 , 11, 10627-10629	16.7	2
107	Growth and electronic structure of graphene on semiconducting Ge(110). <i>Carbon</i> , 2017 , 122, 428-433	10.4	22
106	Structural and electronic properties of graphene nanoflakes on Au(111) and Ag(111). <i>Scientific Reports</i> , 2016 , 6, 23439	4.9	43
105	Adsorption of NO ₂ on WSe ₂ : DFT and photoelectron spectroscopy studies. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 364003	1.8	9
104	Atomic force spectroscopy and density-functional study of graphene corrugation on Ru(0001). <i>Physical Review B</i> , 2016 , 93,	3.3	9

103	Structural and electronic properties of epitaxial multilayer h-BN on Ni(111) for spintronics applications. <i>Scientific Reports</i> , 2016 , 6, 23547	4.9	67
102	Understanding the growth mechanism of graphene on Ge/Si(001) surfaces. <i>Scientific Reports</i> , 2016 , 6, 31639	4.9	37
101	Restoring a nearly free-standing character of graphene on Ru(0001) by oxygen intercalation. <i>Scientific Reports</i> , 2016 , 6, 20285	4.9	39
100	Graphene growth and properties on metal substrates. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 303002	1.8	69
99	Scanning probe microscopy and spectroscopy of graphene on metals. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 451-468	1.3	23
98	Understanding the origin of band gap formation in graphene on metals: graphene on Cu/Ir(111). <i>Scientific Reports</i> , 2014 , 4, 5704	4.9	67
97	Calculation of the X-Ray emission K and L 2,3 bands of metallic magnesium and aluminum with allowance for multielectron effects. <i>Journal of Experimental and Theoretical Physics</i> , 2014 , 118, 11-17	1	2
96	In situ fabrication of quasi-free-standing epitaxial graphene nanoflakes on gold. <i>ACS Nano</i> , 2014 , 8, 3735-3747	4.7	47
95	Multichannel scanning probe microscopy and spectroscopy of graphene moiré structures. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3894-908	3.6	23
94	Spectroscopy and microscopy of graphene on metals. <i>Vakuum in Forschung Und Praxis</i> , 2014 , 26, 19-25	0.3	
93	Graphene on Rh(111): Combined DFT, STM, and NC-AFM Studies. <i>Procedia Engineering</i> , 2014 , 93, 8-16		7
92	General approach to understanding the electronic structure of graphene on metals. <i>Materials Research Express</i> , 2014 , 1, 035603	1.7	36
91	Electronic and Magnetic Properties of the Graphene/Eu/Ni(111) Hybrid System. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014 , 69, 297-302	1.4	5
90	Artificially lattice-mismatched graphene/metal interface: Graphene/Ni/Ir(111). <i>Physical Review B</i> , 2013 , 87,	3.3	49
89	Structural and electronic properties of graphene-based junctions for spin-filtering: The graphene/Al/Ni(1 1 1) intercalation-like system. <i>Applied Surface Science</i> , 2013 , 267, 8-11	6.7	14
88	Specific many-electron effects in X-ray spectra of simple metals and graphene. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 6749-56	3.6	5
87	Electronic structure and imaging contrast of graphene moiré on metals. <i>Scientific Reports</i> , 2013 , 3, 1072	4.9	80
86	Theoretical description of X-ray absorption spectroscopy of the graphene-metal interfaces. <i>Journal of Chemical Physics</i> , 2013 , 138, 154706	3.9	31

85	Ge(001) as a template for long-range assembly of stacked coronene rows. <i>Langmuir</i> , 2012 , 28, 3840-4	4	16
84	Graphene on metallic surfaces: problems and perspectives. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13502-14	3.6	144
83	Graphene on Rh(111): Scanning tunneling and atomic force microscopies studies. <i>Applied Physics Letters</i> , 2012 , 100, 241606	3.4	88
82	Size-selected epitaxial nanoislands underneath graphene moiré on Rh(111). <i>ACS Nano</i> , 2012 , 6, 151-8	16.7	97
81	EELS study of the epitaxial graphene/Ni(111) and graphene/Au/Ni(111) systems. <i>Carbon</i> , 2012 , 50, 183-191	11.4	44
80	Structural and electronic properties of the graphene/Al/Ni(111) intercalation system. <i>New Journal of Physics</i> , 2011 , 13, 113028	2.9	95
79	On the physisorption of water on graphene: a CCSD(T) study. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12041-7	3.6	152
78	Epitaxial Graphene on Metals. <i>Nanoscience and Technology</i> , 2011 , 189-234	0.6	4
77	Electronic and Magnetic Properties of the Graphene- Ferromagnet Interfaces: Theory vs. Experiment 2011 ,		2
76	Structural and electronic properties of Fe ₃ O ₄ /graphene/Ni(111) junctions. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 226-228	2.5	14
75	Graphene on ferromagnetic surfaces and its functionalization with water and ammonia. <i>Nanoscale Research Letters</i> , 2011 , 6, 214	5	22
74	Electronic structure and magnetic properties of the graphene/Fe/Ni(111) intercalation-like system. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 7534-9	3.6	100
73	Preparation and photoemission investigation of bulklike Mn films on W(110). <i>Physical Review B</i> , 2010 , 81,	3.3	2
72	X-ray absorption and magnetic circular dichroism of graphene/Ni(111). <i>Journal of Applied Physics</i> , 2010 , 107, 09E121	2.5	17
71	Induced magnetism of carbon atoms at the graphene/Ni(111) interface. <i>Applied Physics Letters</i> , 2010 , 96, 012504	3.4	155
70	Nucleation and growth of nickel nanoclusters on graphene Moiré on Rh(111). <i>Applied Physics Letters</i> , 2010 , 96, 093115	3.4	112
69	Electronic and magnetic properties of the graphene/ferromagnet interface. <i>New Journal of Physics</i> , 2010 , 12, 125004	2.9	167
68	Electronic structure of thin ytterbium layers on W(110): A photoemission study. <i>Surface Science</i> , 2010 , 604, 269-275	1.8	0

67	Photoemission study of electronic structure of the half-metallic ferromagnet Co ₃ Sn ₂ S ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	46
66	Charge transport in proteins probed by resonant photoemission. <i>Physical Review Letters</i> , 2009 , 102, 098101	4.1	15
65	Magnetic-dichroism study of iron silicides formed at the Fe/Si(100) interface. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 467-471	2.6	6
64	Investigation of the stability of Mn ₁₂ single molecule magnets. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 491-495	2.6	11
63	High-resolution Russian-German beamline at BESSY. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 501-505	2.6	43
62	Spin-resolved photoemission of a ferromagnetic Mn ₅ Ge ₃ (0001) epilayer on Ge(111). <i>Journal of Applied Physics</i> , 2009 , 105, 073909	2.5	26
61	A possible source of spin-polarized electrons: The inert graphene/Ni(111) system. <i>Applied Physics Letters</i> , 2008 , 92, 052506	3.4	132
60	Rashba effect in the graphene/ni(111) system. <i>Physical Review Letters</i> , 2008 , 100, 107602	7.4	387
59	Method of measurements with random perturbation: application in photoemission experiments. <i>Review of Scientific Instruments</i> , 2008 , 79, 036103	1.7	1
58	Spin-resolved photoelectron spectroscopy of Fe ₃ O ₄ revisited. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 142201	1.8	23
57	Electronic structure of shandite Co ₃ Sn ₂ S ₂ . <i>Journal of Physics: Conference Series</i> , 2008 , 100, 072011	0.3	11
56	Defect induced ferromagnetism in Co-doped ZnO thin films. <i>Journal of Physics: Conference Series</i> , 2008 , 100, 042034	0.3	18
55	Magnetic ordering of the Fe/Si interface and its initial formation. <i>Journal of Applied Physics</i> , 2008 , 104, 104914	2.5	38
54	Dispersion of 4f impurity states in photoemission spectra of Yb/W(110). <i>Physical Review B</i> , 2008 , 78,	3.3	1
53	Graphene-protected iron layer on Ni(111). <i>Applied Physics Letters</i> , 2008 , 93, 022509	3.4	128
52	Scanning tunneling spectroscopy on Mn ₁₂ single molecule magnets grafted on Au(111). <i>Journal of Physics: Conference Series</i> , 2008 , 100, 052070	0.3	
51	k- and spin-dependent hybridization effects in Ce monolayer. <i>Journal of Physics: Conference Series</i> , 2008 , 100, 072022	0.3	
50	Electronic structure of thin ytterbium layers on W(110). <i>Journal of Physics: Conference Series</i> , 2008 , 100, 072023	0.3	

49	Observation of ferromagnetic surface of paramagnetic YCo ₂ . <i>Journal of Physics: Conference Series</i> , 2008 , 100, 072028	0.3	
48	Evidence for the short-period oscillations in spin-resolved photoemission of thin Cr(110) films. <i>Journal of Physics: Conference Series</i> , 2008 , 100, 072029	0.3	
47	Spin-resolved photoelectron spectroscopy of rare-earth overlayers on rare-earth and d-metal substrates. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e231-e234	2.8	
46	Magnetic linear dichroism in photoemission from an ultrathin iron silicide film. <i>Physics of the Solid State</i> , 2008 , 50, 553-556	0.8	3
45	Spin dependence of 4f hybridization: A spin-resolved resonant photoemission study of CeBe(110). <i>Physical Review B</i> , 2007 , 76,	3.3	4
44	Magnetite: a search for the half-metallic state. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 315217	1.8	81
43	Growth and morphology of the epitaxial Fe(110)/MgO(111)/Fe(110) Trilayers. <i>Surface Science</i> , 2007 , 601, 2166-2170	1.8	5
42	Surface magnetism of YCo ₂ . <i>Surface Science</i> , 2007 , 601, 4339-4342	1.8	1
41	Spin-dependent hybridization and magnetic order of Ce/Fe(110) studied by spin-resolved resonant photoemission. <i>Surface Science</i> , 2007 , 601, 4329-4333	1.8	1
40	Room temperature ferromagnetic (Zn,Co)O epitaxial films obtained by low-temperature MOCVD process. <i>Thin Solid Films</i> , 2007 , 515, 8490-8494	2.2	10
39	Preparation of the subnanometer thick epitaxial Al ₂ O ₃ (0001) layers on Fe(110) for magnetic tunnel junctions. <i>Applied Surface Science</i> , 2007 , 253, 3860-3864	6.7	10
38	Divalent state of ytterbium in YbFe ₄ Sb ₁₂ filled skutterudite. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 698-699	1.3	11
37	Evidence for the short-period oscillations in spin-resolved photoemission of thin Cr(110) films. <i>European Physical Journal B</i> , 2007 , 57, 15-19	1.2	5
36	Electronic structure of Mn ₁₂ derivatives on the clean and functionalized Au surface. <i>Physical Review B</i> , 2007 , 75,	3.3	68
35	YCo ₂ : intrinsic magnetic surface of a paramagnetic bulk material. <i>Physical Review Letters</i> , 2007 , 99, 047204	1.4	19
34	Intrinsic ferromagnetism versus phase segregation in Mn-doped Ge. <i>Journal of Applied Physics</i> , 2007 , 101, 103912	2.5	43
33	Defect induced low temperature ferromagnetism in Zn _{1-x} CoxO films. <i>Journal of Applied Physics</i> , 2007 , 101, 073904	2.5	42
32	Observation of surface state on ultrathin fcc Γ Mn(1 1 1) layer. <i>Surface Science</i> , 2006 , 600, 4328-4331	1.8	4

31	Spectroscopic studies of the electronic properties of regularly arrayed two-dimensional protein layers. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, S131-S144	1.8	16
30	Wave-vector conservation upon hybridization of 4f and valence-band states observed in photoemission spectra of a Ce monolayer on W(110). <i>Physical Review Letters</i> , 2006 , 96, 026404	7.4	24
29	Ferromagnetic coupling in Eu ₂ O ₃ (0001) observed by spin-resolved photoelectron spectroscopy. <i>Physical Review B</i> , 2006 , 73,	3.3	5
28	Electronic structure, magnetism, and spin-dependent transport of CeMnNi ₄ . <i>Physical Review B</i> , 2006 , 73,	3.3	13
27	Spin-resolved photoelectron spectroscopy of the MgO/Fe(110) system. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 82, 489-493	2.6	11
26	Photoemission and near-edge X-ray absorption fine structure studies of the bacterial surface protein layer of <i>Bacillus sphaericus</i> NCTC 9602. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18620-7	3.4	18
25	Surface electronic structure of the Fe ₃ O ₄ (100): Evidence of a half-metal to metal transition. <i>Physical Review B</i> , 2005 , 72,	3.3	205
24	Overlapping XAFS L Spectra of 3d Metals A New Application of the Regularization Method. <i>Physica Scripta</i> , 2005 , 194	2.6	4
23	Magnetic dichroism in angular resolved XPS on the Fe(110) surface. <i>European Physical Journal B</i> , 2005 , 47, 315-318	1.2	1
22	Correlations in the electronic structure of half-metallic ferromagnetic CrO ₂ films: An x-ray absorption and resonant photoemission spectroscopy study. <i>Physical Review B</i> , 2005 , 72,	3.3	45
21	Short-period oscillations in photoemission from thin films of Cr(100). <i>Physical Review B</i> , 2005 , 72,	3.3	4
20	Growth and Room Temperature Spin Polarization of Half-metallic Epitaxial CrO ₂ and Fe ₃ O ₄ Thin Films. <i>Lecture Notes in Physics</i> , 2005 , 289-308	0.8	4
19	Electronic structure of regular bacterial surface layers. <i>Physical Review Letters</i> , 2004 , 93, 238103	7.4	35
18	Electronic structure of the Fe ₃ O ₄ (111) surface. <i>Physical Review B</i> , 2004 , 70,	3.3	27
17	Oscillations in photoemission from Cr/Fe/W(1 0 0) and Cr/W(1 0 0). <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1147-1148	2.8	
16	Room Temperature Spin Polarization of Epitaxial Half-Metallic Fe ₃ O ₄ (111) and CrO ₂ (100) Films. <i>Advances in Solid State Physics</i> , 2003 , 487-504		6
15	Growth and structure of Mn on Au(111) at room temperature. <i>Surface Science</i> , 2003 , 529, L275-L280	1.8	34
14	In situ oxidation of epitaxial Fe(110) films grown on Mo(110)/Al ₂ O ₃ (11 $\bar{2}$ 0) substrates. <i>Surface Science</i> , 2003 , 536, 61-66	1.8	5

13	Quantum-well states in bilayers of Ag and Au on W(110). <i>Surface Science</i> , 2003 , 540, L638-L642	1.8	8
12	Preparation, structure, and electronic properties of Fe ₃ O ₄ films on the Fe(110)/Mo(110)/Al ₂ O ₃ (112̄0) substrate. <i>Physical Review B</i> , 2003 , 68,	3.3	23
11	Evidence for the half-metallic ferromagnetic state of Fe ₃ O ₄ by spin-resolved photoelectron spectroscopy. <i>Physical Review B</i> , 2002 , 65,	3.3	383
10	Growth and spin-resolved photoemission spectroscopy of the epitaxial Al ₂ O ₃ /Fe(110) system. <i>Applied Physics Letters</i> , 2002 , 81, 2584-2586	3.4	9
9	Room-temperature observation of high-spin polarization of epitaxial CrO ₂ (100) island films at the Fermi energy. <i>Applied Physics Letters</i> , 2002 , 80, 4181-4183	3.4	79
8	Silicon interaction with the (0001) surface of La and Gd layers. <i>Physics of the Solid State</i> , 2001 , 43, 380-385.8		
7	Intercalation of copper underneath a monolayer of graphite on Ni(111). <i>Physical Review B</i> , 2001 , 64,	3.3	149
6	Formation of intercalate-like systems of graphite-ytterbium monolayers on the Ni(111) surface. <i>Physics of the Solid State</i> , 2000 , 42, 1170-1175	0.8	7
5	Extended energy range of Ag quantum-well states in Ag(111)/Au(111)/W(110). <i>Physical Review B</i> , 2000 , 62, R2303-R2306	3.3	26
4	Formation of an intercalation-like system by intercalation of C ₆₀ molecules underneath a graphite monolayer on Ni(111). <i>Surface Science</i> , 2000 , 452, 1-8	1.8	18
3	Synthesis of a weakly bonded graphite monolayer on Ni(111) by intercalation of silver. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 8453-8458	1.8	57
2	Modification of the Magnetic and Electronic Properties of the Graphene-Ni(111) Interface via Halogens Intercalation. <i>Advanced Theory and Simulations</i> , 2100319	3.5	1
1	Electronic and Magnetic Properties of The Graphene/RE/Ni(111) (RE: La, Yb) Intercalation-Like Interfaces: A DFT Analysis. <i>Advanced Theory and Simulations</i> , 2100621	3.5	