Alexander S Vinogradov

List of Publications by Year
in descending order

81 papers	2,776 citations	257101 24 h-index	182168 51 g-index
82 all docs	82 docs citations	82 times ranked	3656 citing authors

#	Article	IF	Citations
1	The Valence Band Structure of the [Ni(Salen)] Complex: An Ultraviolet, Soft X-ray and Resonant Photoemission Spectroscopy Study. International Journal of Molecular Sciences, 2022, 23, 6207.	1.8	3
2	Electronic structure of the [Ni(Salen)] complex studied by core-level spectroscopies. Physical Chemistry Chemical Physics, 2021, 23, 11015-11027.	1.3	7
3	Honeycomb Boron on Al(111): From the Concept of Borophene to the Two-Dimensional Boride. ACS Nano, 2021, 15, 15153-15165.	7.3	20
4	Comparative Study of the Structural Features and Electrochemical Properties of Nitrogen-Containing Multi-Walled Carbon Nanotubes after Ion-Beam Irradiation and Hydrochloric Acid Treatment. Nanomaterials, 2021, 11, 2163.	1.9	13
5	The Identification of Cuâ€“Oâ€“C Bond in Cu/MWCNTs Hybrid Nanocomposite by XPS and NEXAFS Spectroscopy. Nanomaterials, 2021, 11, 2993.	1.9	18
6	The Formation of Nanoscale Closed Graphene Surfaces during Fullerite C60 Hot Isostatic Pressing. Applied Sciences (Switzerland), 2021, 11, 11646.	1.3	2
7	Studies of Buried Layers and Interfaces of Tungsten Carbide Coatings on the MWCNT Surface by XPS and NEXAFS Spectroscopy. Applied Sciences (Switzerland), 2020, 10, 4736.	1.3	15
8	One Precursor but Two Types of Graphene Nanoribbons: On-Surface Transformations of 10,10â€²-Dichloro-9,9â€²-bianthryl on Ag(111). Journal of Physical Chemistry C, 2019, 123, 8892-8901.	1.5	17
9	Single-Phase Borophene on Ir(111): Formation, Structure, and Decoupling from the Support. ACS Nano, 2019, 13, 14511-14518.	7.3	99
10	The structural evolution of graphene/Fe(110) systems upon annealing. Carbon, 2017, 111, 113-120.	5.4	9
11	Effect of electron injection in copper-contacted graphene nanoribbons. Nano Research, 2016, 9, 2735-2746.	5.8	10
12	Evolution of CuI/Graphene/Ni(111) System during Vacuum Annealing. Journal of Physical Chemistry C, 2015, 119, 12434-12444.	1.5	2
13	Comparative NEXAFS, NMR, and FTIR Study of Various-Sized Nanodiamonds: As-Prepared and Fluorinated. Journal of Physical Chemistry C, 2015, 119, 835-844.	1.5	16
14	Comment on â€œBottom-Up Graphene-Nanoribbon Fabrication Reveals Chiral Edges and Enantioselectivityâ€• ACS Nano, 2015, 9, 3399-3403.	7.3	22
15	From Graphene Nanoribbons on Cu(111) to Nanographene on Cu(110): Critical Role of Substrate Structure in the Bottom-Up Fabrication Strategy. ACS Nano, 2015, 9, 8997-9011.	7.3	127
16	Effect of Substrate Chemistry on the Bottom-Up Fabrication of Graphene Nanoribbons: Combined Core-Level Spectroscopy and STM Study. Journal of Physical Chemistry C, 2014, 118, 12532-12540.	1.5	113
17	Electronic structure of copper halides CuI and CuCl: A comparative X-Ray photoelectron and absorption spectroscopy study. Physics of the Solid State, 2013, 55, 1136-1147.	0.2	14
18	Features of metal atom 2p excitations and electronic structure of 3d-metal phthalocyanines studied by X-ray absorption and resonant photoemission. Applied Surface Science, 2013, 267, 132-135.	3.1	10

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19	Hole doping of graphene supported on Ir(111) by AlBr3. Applied Physics Letters, 2013, 102, 061601.	1.5	12
20	A carbonaceous chemical filter for the selective detection of NO2 in the environment. Carbon, 2013, 52, 17-29.	5.4	8
21	NMR and NEXAFS Study of Various Graphite Fluorides. Journal of Physical Chemistry C, 2013, 117, 13564-13572.	1.5	40
22	Formation and Structure of Graphene Waves on Fe(110). Physical Review Letters, 2012, 109, 026101.	2.9	122
23	Controllable p-doping of graphene on Ir(111) by chlorination with FeCl₃. Journal of Physics Condensed Matter, 2012, 24, 314202.	0.7	27
24	Controllable oxidation of h-BN monolayer on Ir(111) studied by core-level spectroscopies. Surface Science, 2012, 606, 564-570.	0.8	44
25	An innovative gas sensor system designed from a sensitive organic semiconductor downstream a nanocarbonaceous chemical filter for selective detection of NO2 in an environmental context. Part II: Interpretations of O3/nanocarbons and NO2/nanocarbons interactions. Sensors and Actuators B: Chemical, 2012, 173, 652-658.	4.0	11
26	Interaction between single walled carbon nanotube and 1D crystal in CuX@SWCNT (X=Cl, Br, I) nanostructures. Carbon, 2012, 50, 4021-4039.	5.4	71
27	X-ray absorption investigation of the electronic structure of the CuI@SWCNT nanocomposite. Physics of the Solid State, 2011, 53, 643-653.	0.2	6
28	Comparative X-ray absorption investigation of fluorinated single-walled carbon nanotubes. Physics of the Solid State, 2010, 52, 876-883.	0.2	20
29	Structure and electronic properties of AgX (X = Cl, Br, I)-intercalated single-walled carbon nanotubes. Carbon, 2010, 48, 2708-2721.	5.4	83
30	Electronic Structure of Fluorinated Carbon Nanotubes. , 2010, , .		4
31	Effect of substrate nanopatterning on the growth and structure of pentacene films. Physical Review B, 2010, 81, .	1.1	14
32	Electronic Structure of Fluorinated Single-Walled Carbon Nanotubes Studied by X-Ray Absorption and Photoelectron Spectroscopy. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 590-594.	1.0	5
33	Features of Resonant FKLLAuger Spectra from Fluorinated Multi-Walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 600-604.	1.0	5
34	Gas permeability properties of modified membranes based on exfoliated graphite. Desalination and Water Treatment, 2010, 14, 192-195.	1.0	2
35	Electronic Structure of CuI@SWCNT Nanocomposite Studied by X-Ray Absorption Spectroscopy. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 574-578.	1.0	7
36	Characterization of fluorinated multiwalled carbon nanotubes with X-ray absorption, photoelectron and emission spectroscopies. Applied Physics A: Materials Science and Processing, 2009, 94, 445-448.	1.1	10

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37	Capacitance Transient X-ray Absorption Spectroscopy of semiconducting structures. Superlattices and Microstructures, 2009, 45, 190-199.	1.4	1
38	Fabrication and characterization of fluorinated single-walled carbon nanotubes. Nanotechnologies in Russia, 2009, 4, 60-78.	0.7	23
39	The formation and properties of one-dimensional FeHal2 (Hal = Cl, Br, I) nanocrystals in channels of single-walled carbon nanotubes. Nanotechnologies in Russia, 2009, 4, 634-646.	0.7	19
40	Specific features of the electronic structure of fluorinated multiwalled carbon nanotubes in the near-surface region. Physics of the Solid State, 2009, 51, 1961-1971.	0.2	6
41	Impact of Oxygen Coadsorption on Intercalation of Cobalt under the h-BN Nanomesh. Nano Letters, 2009, 9, 2780-2787.	4.5	30
42	Electronic structure of fluorinated multiwalled carbon nanotubes studied using x-ray absorption and photoelectron spectroscopy. Physical Review B, 2009, 79, .	1.1	48
43	Local and electronic structure of fluorinated single-walled carbon nanotubes: X-ray absorption and DFT Analysis. Journal of Physics: Conference Series, 2009, 190, 012135.	0.3	1
44	Formation and temperature evolution of Au nanoparticles supported on the h-BN nanomesh. Surface Science, 2008, 602, 1250-1255.	0.8	36
45	A single h-BN layer on Pt(111). Surface Science, 2008, 602, 1722-1726.	0.8	94
46	Special features of structural organization and magnetic properties of quasi-one-dimensional organoiron nanostructures on a silica support. Russian Journal of General Chemistry, 2008, 78, 2299-2307.	0.3	2
47	Characterization of fluorinated multiwalled carbon nanotubes by x-ray absorption spectroscopy. Physics of the Solid State, 2008, 50, 587-594.	0.2	11
48	Controlling graphene corrugation on lattice-mismatched substrates. Physical Review B, 2008, 78, .	1.1	438
49	An x-ray absorption and photoemission study of the electronic structure of Ni porphyrins and Ni N-confused porphyrin. Journal of Physics Condensed Matter, 2008, 20, 235207.	0.7	32
50	Adsorption-induced gap states of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>h</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">B</mml:mi><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>on metal surfaces. Physical Review B, 2008, 77, .	1.1	56
51	NEXAFS Spectra of Polymerâ€nanocarbon Composites. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 471-474.	1.0	7
52	Electronic Structure of Fluorinated Carbon Nanotubes Studied by Xâ€ray Absorption and Photoelectron Spectroscopy. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 335-339.	1.0	1
53	Influence of chemical interaction at the lattice-mismatchedhâ^'BNâ^•Rh(111)andhâ^'BNâ^•Pt(111)interfaces on the overlayer morphology. Physical Review B, 2007, 75, .	1.1	139
54	Monolayer h-BN on lattice-mismatched metal surfaces: On the formation of the nanomesh. Chemical Physics Letters, 2007, 446, 119-123.	1.2	113

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55	Electronic structure of Ni(II) porphyrins and phthalocyanine studied by soft X-ray absorption spectroscopy. Chemical Physics, 2007, 332, 318-324.	0.9	65
56	Oscillator strengths of the vibrational and Rydberg transitions in the 1s absorption spectrum of a nitrogen molecule. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 102, 367-370.	0.2	2
57	Distribution of the oscillator strengths in the 2p absorption spectra of 3d transition metal films. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 76-80.	0.1	1
58	Oscillator strengths for the shape resonances in the N K absorption spectrum of NaNO3 measured with the use of synchrotron radiation. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 61	0.2	4
59	Study of nanostructured materials by optical and photoelectron spectroscopy. Crystallography Reports, 2006, 51, 870-880.	0.1	1
60	The Hybridized M3dF2p Character of LowEnergy Unoccupied Electron States in 3d Metal Fluorides Observed by F 1s Absorption. Physica Scripta, 2005, , 510.	1.2	4
61	Monolayer of h-BN chemisorbed on Cu(111) and Ni(111): The role of the transition metal 3d states. Surface Science, 2005, 582, 21-30.	0.8	220
62	Decay of core excitations in bulk h-BN studied with resonant Auger spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2005, 148, 59-64.	0.8	5
63	Synthesis of Iron-Oxygen Nanostructures on Silicon and Analysis of Their Structure by NEXAFS Spectroscopy. Russian Journal of General Chemistry, 2005, 75, 1864-1869.	0.3	1
64	Strong Participator Channels in the NonRadiative Resonant Decay of B 1s Excitation in B2O3. Physica Scripta, 2005, , 1071.	1.2	7
65	Correlations in the electronic structure of half-metallic ferromagneticCrO2films: An x-ray absorption and resonant photoemission spectroscopy study. Physical Review B, 2005, 72, .	1.1	57
66	Electronic structure of FeF2and FeF3studied by x-ray absorption and fluorescence spectroscopy. Physica Scripta, 2005, T115, 1074-1076.	1.2	14
67	Low-lying unoccupied electronic states in3dtransition-metal fluorides probed by NEXAFS at theF1sthreshold. Physical Review B, 2005, 71, .	1.1	51
68	Ni3dâ€“BNÏ€hybridization at thehâˆ’BNâˆ•Ni(111)interface observed with core-level spectroscopies. Physical Review B, 2004, 70, .	1.1	90
69	Molecular nature of resonant x-ray scattering in solidLiNO3. Physical Review B, 2004, 69, .	1.1	13
70	Oxidation effects in epitaxial Fe3O4 layers on MgO and MgAl2O4 substrates studied by X-ray absorption, fluorescence and photoemission. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 109, 207-212.	1.7	25
71	Resonant Auger spectroscopy in solid alkali nitrates as a probe of nuclear motion in the core-excited NO3âˆ’ anion. Chemical Physics Letters, 2003, 368, 125-131.	1.2	6
72	Molecular effects in solidNaNO3observed by x-ray absorption and resonant Auger spectroscopy. Physical Review B, 2002, 65, .	1.1	23

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73	X-RAY ABSORPTION EVIDENCE FOR THE BACK-DONATION IN IRON CYANIDE COMPLEXES. Surface Review and Letters, 2002, 09, 359-364.	0.5	19
74	The oscillator strength of the Ï€g shape resonance in the absorption K-spectrum of a nitrogen molecule. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2002, 93, 395-398.	0.2	8
75	High resolution F1s absorption spectra of solid fluorides of 3d elements. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2002, 93, 862-869.	0.2	5
76	Observation of back-donation in 3d metal cyanide complexes through N K absorption spectra. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 813-818.	0.8	20
77	Nitrogen and oxygen core excitations in solid NaNO2 studied by X-ray absorption and resonant photoemission. Chemical Physics, 1999, 249, 249-258.	0.9	13
78	Effect of interference inside surroundings on XANES. OK-shell photoabsorption in N2O. Physica Scripta, 1991, 44, 399-404.	1.2	9
79	Quasiatomic treatment of near-edge-structure features in X-ray absorption spectra of first-row polyatomic systems. Physica Scripta, 1990, 41, 160-163.	1.2	19
80	Theoretical treatment of X-ray absorption fine structure by the localized orbitals method. Crystal Research and Technology, 1988, 23, 831-834.	0.6	2
81	A simple system of the short-wave synchrotron radiation prevention in the 30 Ã... to 180 Ã... wavelength range. Nuclear Instruments & Methods, 1978, 152, 133-134.	1.2	18