Denis V Vyalikh

List of Publications by Year
in descending order

242 papers	8,216 citations	44069 48 h-index	64796 79 g-index
246 all docs	246 docs citations	246 times ranked	10679 citing authors

#	Article	IF	Citations
1	Interlayer Coupling of a Two-Dimensional Kondo Lattice with a Ferromagnetic Surface in the Antiferromagnet CeCo₂P₂. ACS Nano, 2022, 16, 3573-3581.	14.6	4
2	Exchange scaling of ultrafast angular momentum transfer in 4f antiferromagnets. Nature Materials, 2022, 21, 514-517.	27.5	12
3	Structural instability at the In-terminated surface of the heavy-fermion superconductor CeIrIn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math>. Surfaces and Interfaces, 2022, , 102126.	3.0	3
4	Classical and cubic Rashba effect in the presence of in-plane <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:math> magnetism at the iridium silicide surface of the antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>GdIr</mml:mi></mml:mrow><mml:mn>2</m Physical Review B, 2021, 103, .	3.2	15
5	Visualizing the Kondo lattice crossover in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>YbRh</mml:mi></mml:mrow><mml:mn>2</ with Compton scattering. Physical Review B, 2021, 103, .	3.2	9
6	Dirac states in the noncentrosymmetric superconductor BiPd. Physical Review B, 2021, 103, .	3.2	5
7	Electronic structure and coexistence of superconductivity with magnetism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Rb</mml:mi><mml:mi>Eu</mml:mi><mml:msub><mml:mi mathvariant="normal">Fe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, .	3.2	17
8	On the catalytic and degradative role of oxygen-containing groups on carbon electrode in non-aqueous ORR. Carbon, 2021, 176, 632-641.	10.3	9
9	Atomicallyâ€Precise Texturing of Hexagonal Boron Nitride Nanostripes. Advanced Science, 2021, 8, e2101455.	11.2	9
10	Insight into the Temperature Evolution of Electronic Structure and Mechanism of Exchange Interaction in EuS. Journal of Physical Chemistry Letters, 2021, 12, 8328-8334.	4.6	7
11	Nitrogen-doped graphene on a curved nickel surface. Carbon, 2021, 183, 711-720.	10.3	2
12	Visualization of graphene grain boundaries through oxygen intercalation. Applied Surface Science, 2021, 565, 150476.	6.1	5
13	Hybrid h-BNâ€“Graphene Monolayer with Bâ€“C Boundaries on a Lattice-Matched Surface. Chemistry of Materials, 2020, 32, 1172-1181.	6.7	7
14	Unexpected differences between surface and bulk spectroscopic and implied Kondo properties of heavy fermion CeRh2Si2. Npj Quantum Materials, 2020, 5, .	5.2	21
15	Highly Ordered and Polycrystalline Graphene on Co(0001) Intercalated by Oxygen. Journal of Physical Chemistry C, 2020, 124, 17103-17110.	3.1	3
16	Electronic Structures and Surface Reconstructions in Magnetic Superconductor RbEuFe₄As₄. Journal of Physical Chemistry Letters, 2020, 11, 9393-9399.	4.6	20
17	Deterministic control of an antiferromagnetic spin arrangement using ultrafast optical excitation. Communications Physics, 2020, 3, .	5.3	10
18	Photoelectron diffraction for probing valency and magnetism of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:m -based materials: A view on valence-fluctuating <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>EuIr</mml:mi><mml:mn>2</mml:mn></mml Physical Review B, 2020, 102, .	3.2	13

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19	Cubic Rashba Effect in the Surface Spin Structure of Rare-Earth Ternary Materials. Physical Review Letters, 2020, 124, 237202.	7.8	30
20	Spin structure of spin-orbit split surface states in a magnetic material revealed by spin-integrated photoemission. Physical Review B, 2020, 101, .	3.2	9
21	Decoding the structure of interfaces and impurities in 2D materials by photoelectron holography. 2D Materials, 2019, 6, 045046.	4.4	5
22	Origin of two-dimensional electronic states at Si- and Gd-terminated surfaces of GdRh2Si2 (001). Physical Review B, 2019, 100, .	3.2	4
23	Boron nitride monolayer growth on vicinal Ni(1â€‰1â€‰1) surfaces systematically studied with a curved crystal. 2D Materials, 2019, 6, 025013.	4.4	11
24	Emerging 2D-ferromagnetism and strong spin-orbit coupling at the surface of valence-fluctuating EuIr2Si2. Npj Quantum Materials, 2019, 4, .	5.2	46
25	Angle-resolved secondary photoelectron emission from graphene interfaces. Physical Review B, 2019, 99, .	3.2	2
26	Divalent EuRh2Si2 as a reference for the Luttinger theorem and antiferromagnetism in trivalent heavy-fermion YbRh2Si2. Nature Communications, 2019, 10, 796.	12.8	9
27	Oxygen Intercalation and Oxidation of Atomically Thin h-BN Grown on a Curved Ni Crystal. Journal of Physical Chemistry C, 2019, 123, 593-602.	3.1	14
28	Electron-phonon coupling in graphene placed between magnetic Li and Si layers on cobalt. Physical Review B, 2018, 97, .	3.2	16
29	Photoelectron Diffraction and Holography Studies of 2D Materials and Interfaces. Journal of the Physical Society of Japan, 2018, 87, 061005.	1.6	14
30	Spin-polarized Fermi surface, hole-doping and band gap in graphene with boron impurities. Nanoscale, 2018, 10, 22810-22817.	5.6	2
31	5. Characterization methods. , 2018, , 261-408.		0
32	Site- and spin-dependent coupling at the highly ordered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>h</mml:mi></mml:math> -BN/Co(0001) interface. Physical Review B, 2018, 98, .	3.2	15
33	Strong spin-orbit coupling in the noncentrosymmetric Kondo lattice. Physical Review B, 2018, 98, .	3.2	16
34	Notable Reactivity of Acetonitrile Towards Li2O2/LiO2 Probed by NAP XPS During Liâ€“O2 Battery Discharge. Topics in Catalysis, 2018, 61, 2114-2122.	2.8	12
35	Cobalt-assisted recrystallization and alignment of pure and doped graphene. Nanoscale, 2018, 10, 12123-12132.	5.6	13
36	Crystal electric field in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeRh</mml:mi><mml:mn>2</mml:mn></mml studied with high-resolution resonant inelastic soft x-ray scattering. Physical Review B, 2018, 97, .	3.2	20

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37	X-ray photoelectron spectroscopy study of the interaction of lithium with graphene. Physical Sciences Reviews, 2018, 3, .	0.8	0
38	Similar temperature scale for valence changes in Kondo lattices with different Kondo temperatures. Nature Communications, 2018, 9, 2011.	12.8	22
39	Raman Spectroscopy of Lattice-Matched Graphene on Strongly Interacting Metal Surfaces. ACS Nano, 2017, 11, 6336-6345.	14.6	52
40	Capsulate structure effect on SWNTs doping in Rb_xAg_{1â^'x}I@SWNT composites. CrystEngComm, 2017, 19, 3063-3070.	2.6	7
41	Spin Orientation of Two-Dimensional Electrons Driven by Temperature-Tunable Competition of Spinâ€“Orbit and Exchangeâ€“Magnetic Interactions. Nano Letters, 2017, 17, 811-820.	9.1	28
42	MoS₂â€“Carbon Nanotube Hybrid Material Growth and Gas Sensing. Advanced Materials Interfaces, 2017, 4, 1700801.	3.7	73
43	Laterally Selective Oxidation of Large-Scale Graphene with Atomic Oxygen. Journal of Physical Chemistry C, 2017, 121, 27915-27922.	3.1	18
44	Valence instability in the bulk and at the surface of the antiferromagnet SmRh2Si2. Physical Review B, 2017, 95, .	3.2	10
45	Insight into the temperature dependent properties of the ferromagnetic Kondo lattice YbNiSn. Physical Review B, 2017, 95, .	3.2	8
46	Comparative NEXAFS study of the selected icefish hard tissues and hydroxyapatite. Journal of Physics: Conference Series, 2017, 917, 042001.	0.4	3
47	Effect of the fluorination technique on the surface-fluorination patterning of double-walled carbon nanotubes. Beilstein Journal of Nanotechnology, 2017, 8, 1688-1698.	2.8	35
48	Multiphase Biomineralization: Enigmatic Invasive Siliceous Diatoms Produce Crystalline Calcite. Advanced Functional Materials, 2016, 26, 2503-2510.	14.9	37
49	ARPES view on surface and bulk hybridization phenomena in the antiferromagnetic Kondo lattice CeRh2Si2. Nature Communications, 2016, 7, 11029.	12.8	58
50	Environmental control of electronâ€“phonon coupling in barium doped graphene. 2D Materials, 2016, 3, 045003.	4.4	14
51	Tuning Surface Chemistry of TiC Electrodes for Lithiumâ€“Air Batteries. Chemistry of Materials, 2016, 28, 8248-8255.	6.7	29
52	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:math>-2 in Ce Kondo lattices studied by resonant inelastic x-ray scattering. Physical Review B, 2016, 93, .	3.2	14
53	Supercontinuum Generation in Naturally Occurring Glass Sponges Spicules. Advanced Optical Materials, 2016, 4, 1608-1613.	7.3	41
54	Robust and tunable itinerant ferromagnetism at the silicon surface of the antiferromagnet GdRh2Si2. Scientific Reports, 2016, 6, 24254.	3.3	29

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55	Large-Scale Sublattice Asymmetry in Pure and Boron-Doped Graphene. Nano Letters, 2016, 16, 4535-4543.	9.1	55
56	Efficient gating of epitaxial boron nitride monolayers by substrate functionalization. Physical Review B, 2015, 92, .	3.2	16
57	Temperature-Independent Fermi Surface in the Kondo Lattice<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>YbRh</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review X, 2015, 5, .	8.9	52
58	Atomically precise semiconductorâ€”graphene and hBN interfaces by Ge intercalation. Scientific Reports, 2015, 5, 17700.	3.3	24
59	Effect of carbon doping on magnetic properties of Mn/Si interface. Journal of Physics: Conference Series, 2015, 643, 012096.	0.4	1
60	Oxygen Reduction by Lithiated Graphene and Graphene-Based Materials. ACS Nano, 2015, 9, 320-326.	14.6	28
61	NEXAFS Study of the Composite Materials MWCNTsâ€”Pyrolytic Metals by Synchrotron Radiation. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 17-19.	2.1	5
62	Observation of Single-Spin Dirac Fermions at the Graphene/Ferromagnet Interface. Nano Letters, 2015, 15, 2396-2401.	9.1	82
63	Formation and lithium doping of graphene on the surface of cobalt silicide. Physics of the Solid State, 2015, 57, 1040-1047.	0.6	9
64	Laser-induced transformation of supramolecular complexes: approach to controlled formation of hybrid multi-yolk-shell Au-Ag@a-C:H nanostructures. Scientific Reports, 2015, 5, 12027.	3.3	25
65	Epitaxial B-Graphene: Large-Scale Growth and Atomic Structure. ACS Nano, 2015, 9, 7314-7322.	14.6	49
66	Extreme biomimetic approach for developing novel chitin-GeO2 nanocomposites with photoluminescent properties. Nano Research, 2015, 8, 2288-2301.	10.4	71
67	Insight into Bio-metal Interface Formation in vacuo: Interplay of S-layer Protein with Copper and Iron. Scientific Reports, 2015, 5, 8710.	3.3	17
68	Field emission luminescence of nanodiamonds deposited on the aligned carbon nanotube array. Scientific Reports, 2015, 5, 9379.	3.3	52
69	Experimental and Computational Insight into the Chemical Bonding and Electronic Structure of Clathrate Compounds in the Snâ€“Inâ€“Asâ€“I System. Inorganic Chemistry, 2015, 54, 11542-11549.	4.0	2
70	Charge-induced formation of thin conducting layers on fluorinated graphite surface. Carbon, 2015, 82, 446-458.	10.3	25
71	Crystalline Electric Field Splitting of 4f States in YbIr2Si2: An ARPES View. , 2014, , .		6
72	Tracing the localization of4felectrons: Angle-resolved photoemission onYbCo2Si2, the stable trivalent counterpart of the heavy-fermionYbRh2Si2. Physical Review B, 2014, 90, .	3.2	18

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73	Fermi-Surface Reconstruction and Complex Phase Equilibria inCaFe2As2. Physical Review Letters, 2014, 112, 186401.	7.8	33
74	Chemistry, structure and properties of bismuth copper titanate pyrochlores. Solid State Ionics, 2014, 262, 630-635.	2.7	16
75	Effect of Na adsorption on the structural and electronic properties of Si(111)$ sqrt {ext {sffamily 3}}imes sqrt {ext {sffamily 3}}$ -Au surface. Journal of Physics Condensed Matter, 2014, 26, 055009.	1.8	9
76	Strong ferromagnetism at the surface of an antiferromagnet caused by buried magnetic moments. Nature Communications, 2014, 5, 3171.	12.8	30
77	Observation of a universal donor-dependent vibrational mode in graphene. Nature Communications, 2014, 5, 3257.	12.8	114
78	Nitrogen inserting in fluorinated graphene via annealing of acetonitrile intercalated graphite fluoride. Physica Status Solidi (B): Basic Research, 2014, 251, 2530-2535.	1.5	19
79	The Chemistry of Imperfections in N-Graphene. Nano Letters, 2014, 14, 4982-4988.	9.1	69
80	Ironâ€“Polypyrrole Catalysts for the Oxygen Reduction in Proton Exchange Membrane Fuel Cells Produced with a Dual Plasma Process Using Varying Magnetron Powers and Process Gases. Plasma Chemistry and Plasma Processing, 2014, 34, 785-799.	2.4	7
81	Insight into the electronic structure of the supramolecular â€œrods-in-beltâ€•AuICuI and AuIAgI self-assembled complexes from X-ray photoelectron and absorption spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2014, 192, 26-34.	1.7	2
82	Identification and first insights into the structure and biosynthesis of chitin from the freshwater sponge Spongilla lacustris. Journal of Structural Biology, 2013, 183, 474-483.	2.8	88
83	Controlled assembly of graphene-capped nickel, cobalt and iron silicides. Scientific Reports, 2013, 3, 2168.	3.3	49
84	Anisotropic Eliashberg function and electron-phonon coupling in doped graphene. Physical Review B, 2013, 88, .	3.2	41
85	Synthesis and electronic structure of nitrogen-doped graphene. Physics of the Solid State, 2013, 55, 1325-1332.	0.6	33
86	Large spin splitting of metallic surface-state bands at adsorbate-modified gold/silicon surfaces. Scientific Reports, 2013, 3, 1826.	3.3	51
87	Discovery of 505-million-year old chitin in the basal demosponge Vauxia gracilenta. Scientific Reports, 2013, 3, 3497.	3.3	123
88	Preparation of chitinâ€“silica composites by in vitro silicification of two-dimensional Ianthella basta demosponge chitinous scaffolds under modified StÃ¶ber conditions. Materials Science and Engineering C, 2013, 33, 3935-3941.	7.3	66
89	Anisotropy of Chemical Bonding in Semifluorinated Graphite C₂F Revealed with Angle-Resolved X-ray Absorption Spectroscopy. ACS Nano, 2013, 7, 65-74.	14.6	61
90	Interplay of Dirac fermions and heavy quasiparticles in solids. Nature Communications, 2013, 4, 1646.	12.8	27

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91	Self-Assembled Supramolecular Complexes with â€œRods-in-Beltâ€•Architecture in the Light of Soft X-rays. Journal of Physical Chemistry C, 2013, 117, 12385-12392.	3.1	9
92	Kinetic Isotope Effect in the Hydrogenation and Deuteration of Graphene. Advanced Functional Materials, 2013, 23, 1628-1635.	14.9	38
93	Carbon nanowalls: the next step for physical manifestation of the black body coating. Scientific Reports, 2013, 3, 3328.	3.3	64
94	First report on chitinous holdfast in sponges (Porifera). Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130339.	2.6	40
95	Tuning the Process Gas in a Dual Plasma Process to Enhance the Performance of Cobaltâ€“Polypyrrole Catalysts for the Oxygen Reduction Reaction in Fuel Cells. Journal of the Electrochemical Society, 2013, 160, F1088-F1095.	2.9	7
96	Anomalous susceptibility in single crystals of EuCo₂Si₂ with trivalent Eu: Influence of excited J multiplets. Physica Status Solidi (B): Basic Research, 2013, 250, 621-625.	1.5	19
97	How chemical pressure affects the fundamental properties of rare-earth pnictides: An ARPES view. Physical Review B, 2012, 86, .	3.2	3
98	Ultrafast quasiparticle dynamics in the heavy-fermion compound YbRh<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Si<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 86, .	3.2	10
99	Using a Dual Plasma Process to Produce Cobalt-Polypyrrole Catalysts for the Oxygen Reduction Reaction in Fuel Cells. Journal of the Electrochemical Society, 2012, 159, F560-F569.	2.9	14
100	Perforation of graphite in boiling mineral acid. Physica Status Solidi (B): Basic Research, 2012, 249, 2620-2624.	1.5	16
101	Using a Dual Plasma Process to Produce Cobalt-Polypyrrole Catalysts for the Oxygen Reduction Reaction in Fuel Cells. Journal of the Electrochemical Society, 2012, 159, F494-F500.	2.9	12
102	Controllable p-doping of graphene on Ir(111) by chlorination with FeCl₃. Journal of Physics Condensed Matter, 2012, 24, 314202.	1.8	27
103	Isolation and identification of chitin in the black coral Parantipathes larix (Anthozoa: Cnidaria). International Journal of Biological Macromolecules, 2012, 51, 129-137.	7.5	82
104	Experimental and computational insight into the properties of the lattice-mismatched structures: Monolayers of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>h</mml:mi></mml:math>-BN and graphene on Ir(111). Physical Review B, 2012, 86, .	3.2	46
105	Bismuth manganese titanate: Crystal structure and properties. Solid State Ionics, 2012, 225, 464-470.	2.7	12
106	Atomic geometry and electron structure of the GaTe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>(</mml:mo><mml:mn>10</mml:mn><mml:mover) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 T Physical Review B, 2012, 85, .	3.2	
107	Effect of oxidation and heat treatment on the morphology and electronic structure of carbon-encapsulated iron carbide nanoparticles. Materials Chemistry and Physics, 2012, 135, 235-240.	4.0	20
108	Real-Time Study of the Modification of the Peptide Bond by Atomic Calcium. Journal of Physical Chemistry B, 2011, 115, 2401-2407.	2.6	14

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109		3.2	45
110	Charge Transfer in the MoS₂/Carbon Nanotube Composite. Journal of Physical Chemistry C, 2011, 115, 21199-21204.	3.1	255
111	Nitrogen-Doped Graphene: Efficient Growth, Structure, and Electronic Properties. Nano Letters, 2011, 11, 5401-5407.	9.1	685
112	Calcite Reinforced Silicaâ€“Silica Joints in the Biocomposite Skeleton of Deepâ€Sea Glass Sponges. Advanced Functional Materials, 2011, 21, 3473-3481.	14.9	43
113	Controlling graphite oxide bandgap width by reduction in hydrogen. Technical Physics Letters, 2011, 37, 942-945.	0.7	16
114	Formation of ultrathin iron magnetic films on the silicon vicinal surface. Physics of the Solid State, 2011, 53, 606-611.	0.6	2
115	Initial stages of the growth and magnetic properties of cobalt films on the Si(100)2 Ã— 1 surface. Physics of the Solid State, 2011, 53, 616-621.	0.6	15
116	Electronic state of polyaniline deposited on carbon nanotube or ordered mesoporous carbon templates. Physica Status Solidi (B): Basic Research, 2011, 248, 2484-2487.	1.5	24
117	Formation of MoS₂ nanoparticles on the surface of reduced graphite oxide. Physica Status Solidi (B): Basic Research, 2011, 248, 2740-2743.	1.5	32
118	Electronic properties of hydrogenated quasiâ€freeâ€standing graphene. Physica Status Solidi (B): Basic Research, 2011, 248, 2639-2643.	1.5	17
119	Electronic structure of the chlorinated fullerene C₆₀Cl₃₀ studied by quantum chemical modeling of Xâ€ray absorption spectra. International Journal of Quantum Chemistry, 2011, 111, 2688-2695.	2.0	8
120	Evidence for a New Twoâ€Dimensional C₄Hâ€Type Polymer Based on Hydrogenated Graphene. Advanced Materials, 2011, 23, 4497-4503.	21.0	90
121	Insight into the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi></mml:math>-Derived Fermi Surface of the Heavy-Fermion Compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>YbRh</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Si</mml:mi><mml:mi	7.8	35
122	Electronic properties of self-assembled rare-earth silicide nanowires on Si(001). Physical Review B, 2011, 83, .	3.2	17
123	Direct observation of a dispersionless impurity band in hydrogenated graphene. Physical Review B, 2011, 83, .	3.2	49
124	Intermediate valence in Yb compounds probed by 4<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi></mml:math>photoemission and resonant inelastic x-ray scattering. Physical Review B, 2011, 84, .	3.2	42
125	NEXAFS Study of Zinc Porphyrins Intercalated into V2O5 Xerogel. Macroheterocycles, 2011, 4, 213-215.	0.5	4
126	Electronic structure of thin ytterbium layers on W(110): A photoemission study. Surface Science, 2010, 604, 269-275.	1.9	2

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127	Electronic properties of potassium-doped FePc. Organic Electronics, 2010, 11, 1461-1468.	2.6	24
128	Tuning the dispersion of 4f bands in the heavy-fermion material YbRh2Si2. Journal of Electron Spectroscopy and Related Phenomena, 2010, 181, 70-75.	1.7	11
129	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
130	High reactivity of carbon nanotubes and fluorinated carbon nanotubes irradiated by Ar⁺ ions. Physica Status Solidi (B): Basic Research, 2010, 247, 2691-2694.	1.5	9
131	Mineralization of the metre-long biosilica structures of glass sponges is templated on hydroxylated collagen. Nature Chemistry, 2010, 2, 1084-1088.	13.6	149
132	Quasifreestanding single-layer hexagonal boron nitride as a substrate for graphene synthesis. Physical Review B, 2010, 82, .	3.2	104
133	Graphene Synthesis on Cubic SiC/Si Wafers. Perspectives for Mass Production of Graphene-Based Electronic Devices. Nano Letters, 2010, 10, 992-995.	9.1	199
134	Insights into Chemistry of Biological Materials: Newly Discovered Silica-Aragonite-Chitin Biocomposites in Demosponges. Chemistry of Materials, 2010, 22, 1462-1471.	6.7	112
135	Tunable Band Gap in Hydrogenated Quasi-Free-Standing Graphene. Nano Letters, 2010, 10, 3360-3366.	9.1	297
136	X-ray Damage in Proteinâ^'Metal Hybrid Structures: A Photoemission Electron Microscopy Study. Journal of Physical Chemistry B, 2010, 114, 8284-8289.	2.6	5
137	A comparative study of argon ion irradiated pristine and fluorinated single-wall carbon nanotubes. Journal of Chemical Physics, 2010, 133, 224706.	3.0	11
138	Electronic Structure of Genomic DNA: A Photoemission and X-ray Absorption Study. Journal of Physical Chemistry B, 2010, 114, 9645-9652.	2.6	30
139	Stability of Fluorinated Double-Walled Carbon Nanotubes Produced by Different Fluorination Techniques. Chemistry of Materials, 2010, 22, 4197-4203.	6.7	49
140	Three-dimensional chitin-based scaffolds from Verongida sponges (Demospongiae: Porifera). Part I. Isolation and identification of chitin. International Journal of Biological Macromolecules, 2010, 47, 132-140.	7.5	144
141	Three-dimensional chitin-based scaffolds from Verongida sponges (Demospongiae: Porifera). Part II: Biomimetic potential and applications. International Journal of Biological Macromolecules, 2010, 47, 141-145.	7.5	104
142	CeFePO:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mi>d</mml:mi></mml:math>Hybridization and Quenching of Superconductivity. Physical Review Letters, 2010, 104, 096402.	7.8	18
143	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>k</mml:mi></mml:math>Dependence of the Crystal-Field Splittings of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:math>States in Rare-Earth Systems. Physical Review Letters, 2010, 105, 237601.	7.8	57
144	X-Ray Absorption Spectra of N₂Molecules Embedded into CN_xNanotubes as a Marker of Orientation Ordering of Array. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 551-557.	2.1	8

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145	XANES Investigation of Pristine and Fluorinated Single-Walled Carbon Nanotubes Before and After Annealing. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 595-599.	2.1	11
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