

# A L Chuvilin

## List of Publications by Year in descending order

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292  
papers

13,896  
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25423

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28425

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295  
all docs

295  
docs citations

295  
times ranked

20205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Hall Magnetoresistance Effect from a Disordered Interface. ACS Applied Materials & Interfaces, 2022, 14, 8598-8604.	4.0	2
2	Prospects of the multislice method for CBED pattern calculation. International Journal of Materials Research, 2022, 97, 912-919.	0.1	0
3	Double-Lattice Packing of Pentagonal Gold Bipyramids in Supercrystals with Triclinic Symmetry. Advanced Materials, 2022, 34, e2200883.	11.1	11
4	Exchange Bias in Molecule/Fe <sub>3</sub> GeTe <sub>2</sub> van der Waals Heterostructures via Spinterface Effects. Advanced Materials, 2022, 34, e2200474.	11.1	17
5	Gate-tunable and chirality-dependent charge-to-spin conversion in tellurium nanowires. Nature Materials, 2022, 21, 526-532.	13.3	62
6	One-Dimensional Red-Phosphorus Chains Encapsulated within Single-Walled Carbon Nanotubes. ACS Nano, 2022, 16, 6002-6012.	7.3	14
7	Cucurbit[6]uril as a co-catalyst for hydrogen production from formic acid. Materials Today Energy, 2022, 26, 100998.	2.5	4
8	Doping of Carbon Nanotubes with Encapsulated Phosphorus Chains. Inorganic Chemistry, 2022, 61, 9605-9614.	1.9	6
9	Black Au-Decorated TiO <sub>2</sub> Produced via Laser Ablation in Liquid. ACS Applied Materials & Interfaces, 2021, 13, 6522-6531.	4.0	32
10	Coupling plasmonic catalysis and nanocrystal growth through cyclic regeneration of NADH. Nanoscale, 2021, 13, 15188-15192.	2.8	2
11	Structure and Formation Kinetics of Millimeter-Size Single Domain Supercrystals. Advanced Functional Materials, 2021, 31, 2101869.	7.8	9
12	In-SEM micro-machining reveals the origins of the size effect in the cutting energy. Scientific Reports, 2021, 11, 2088.	1.6	6
13	Paramagnetic spin Hall magnetoresistance. Physical Review B, 2021, 104, .	1.1	18
14	Large spin-charge interconversion induced by interfacial spin-orbit coupling in a highly conducting all-metallic system. Physical Review B, 2021, 104, .	1.1	9
15	Strong Interfacial Exchange Field in a Heavy Metal/Ferromagnetic Insulator System Determined by Spin Hall Magnetoresistance. Nano Letters, 2020, 20, 6815-6823.	4.5	22
16	Particle atomic layer deposition as an effective way to enhance Li-S battery energy density. Materials Today Energy, 2020, 18, 100567.	2.5	4
17	Probing Chemical Kinetics in Two Dimensional Materials Using Atomic Resolution Imaging.. Microscopy and Microanalysis, 2020, 26, 90-90.	0.2	0
18	Strain-induced structure and oxygen transport interactions in epitaxial La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> thin films. Communications Materials, 2020, 1, .	2.9	8

#	ARTICLE	IF	CITATIONS
19	Beneficial role of the nitrogen-doped carbon nanotubes in the synthesis of the active palladium supported catalyst. <i>Diamond and Related Materials</i> , 2019, 98, 107484.	1.8	11
20	Coupling HAADF-STEM Tomography and Image Reconstruction for the Precise Characterization of Particle Morphology of Composite Polymer Latexes. <i>Macromolecules</i> , 2019, 52, 5298-5306.	2.2	17
21	Ionic liquid-based electrodeposition of ZnS:nano-MoS <sub>2</sub> composite films with self-lubricating properties. <i>Surface and Coatings Technology</i> , 2019, 374, 957-965.	2.2	8
22	Spin Hall magnetoresistance in a low-dimensional Heisenberg ferromagnet. <i>Physical Review B</i> , 2019, 100, .	1.1	21
23	Large Multidirectional Spin-to-Charge Conversion in Low-Symmetry Semimetal MoTe <sub>2</sub> at Room Temperature. <i>Nano Letters</i> , 2019, 19, 8758-8766.	4.5	81
24	Impact of Symmetry on Anisotropic Magnetoresistance in Textured Ferromagnetic Thin Films. <i>Physical Review Letters</i> , 2019, 123, 137201.	2.9	22
25	Ligand-induced reduction concerted with coating by atomic layer deposition on the example of TiO <sub>2</sub> -coated magnetite nanoparticles. <i>Chemical Science</i> , 2019, 10, 2171-2178.	3.7	11
26	Hydrogen Production from Formic Acid over Au Catalysts Supported on Carbon: Comparison with Au Catalysts Supported on SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> . <i>Catalysts</i> , 2019, 9, 376.	1.6	24
27	Films of filled single-wall carbon nanotubes as a new material for high-performance air-sustainable transparent conductive electrodes operating in a wide spectral range. <i>Nanoscale</i> , 2019, 11, 6755-6765.	2.8	17
28	Holey graphene with enhanced near-infrared absorption: Experimental and DFT study. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	9
29	The Route to Supercurrent Transparent Ferromagnetic Barriers in Superconducting Matrix. <i>ACS Nano</i> , 2019, 13, 5655-5661.	7.3	4
30	Single Au Atoms on the Surface of N-Free and N-Doped Carbon: Interaction with Formic Acid and Methanol Molecules. <i>Topics in Catalysis</i> , 2019, 62, 508-517.	1.3	19
31	Design of Intense Nanoscale Stray Fields and Gradients at Magnetic Nanorod Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4678-4685.	4.0	8
32	Investigation of the exceptional charge performance of the 0.93Li <sub>4</sub> xMn <sub>2</sub> O <sub>5</sub> •0.07Li <sub>2</sub> O composite cathode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5156-5165.	5.2	18
33	Origin of large plasticity and multiscale effects in iron-based metallic glasses. <i>Nature Communications</i> , 2018, 9, 1333.	5.8	89
34	Creation of nanosized holes in graphene planes for improvement of rate capability of lithium-ion batteries. <i>Nanotechnology</i> , 2018, 29, 134001.	1.3	40
35	Co-Solvent Effect in the Processing of the Perovskite:Fullerene Blend Films for Electron Transport Layer-Free Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2512-2520.	1.5	19
36	Bifunctional Oxygen Reduction/Oxygen Evolution Activity of Mixed Fe/Co Oxide Nanoparticles with Variable Fe/Co Ratios Supported on Multiwalled Carbon Nanotubes. <i>ChemSusChem</i> , 2018, 11, 1204-1214.	3.6	49

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37	Submicron pillars of ferromagnetic shape memory alloys: Thermomechanical behavior. <i>Applied Materials Today</i> , 2018, 12, 9-14.	2.3	6
38	Optimization of monochromated TEM for ultimate resolution imaging and ultrahigh resolution electron energy loss spectroscopy. <i>Ultramicroscopy</i> , 2018, 184, 109-115.	0.8	30
39	Fe <sup>2+</sup> /Mo and Co <sup>2+</sup> /Mo Catalysts with Varying Composition for Multi-Walled Carbon Nanotube Growth. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700260.	0.7	26
40	Effect of Hydrogen Fluoride Addition and Synthesis Temperature on the Structure of Double-Walled Carbon Nanotubes Fluorinated by Molecular Fluorine. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700261.	0.7	4
41	TEM Study of Current-Induced Domain Wall Motion in Cylindrical Nanowires: Towards 3D Magnetic Memory Devices. <i>Microscopy and Microanalysis</i> , 2018, 24, 944-945.	0.2	2
42	Synthetic Antiferromagnetic Coupling Between Ultrathin Insulating Garnets. <i>Physical Review Applied</i> , 2018, 10, .	1.5	34
43	Highly Stable Single-Atom Catalyst with Ionic Pd Active Sites Supported on N-Doped Carbon Nanotubes for Formic Acid Decomposition. <i>ChemSusChem</i> , 2018, 11, 3724-3727.	3.6	99
44	Microstructural aspects of the transition between two regimes in orthogonal cutting of AISI 1045 steel. <i>Journal of Materials Processing Technology</i> , 2018, 260, 87-96.	3.1	12
45	Nanoporous thin films obtained by oblique angle deposition of aluminum on porous surfaces. <i>Surface and Coatings Technology</i> , 2018, 347, 350-357.	2.2	7
46	Effect of in-plane size of MoS <sub>2</sub> nanoparticles grown over multilayer graphene on the electrochemical performance of anodes in Li-ion batteries. <i>Electrochimica Acta</i> , 2018, 283, 45-53.	2.6	17
47	Understanding the Image Contrast of Material Boundaries in IR Nanoscopy Reaching 5 nm Spatial Resolution. <i>ACS Photonics</i> , 2018, 5, 3372-3378.	3.2	69
48	Colloidal branched CdSe/CdS "nanospiders"™ with 2D/1D heterostructure. <i>Nanotechnology</i> , 2018, 29, 395604.	1.3	3
49	Addressing Vibrational Excitations in Van der Waals Materials and Molecular Layers Within Electron Energy Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 408-409.	0.2	0
50	Unveiling the mechanisms of the spin Hall effect in Ta. <i>Physical Review B</i> , 2018, 98, .	1.1	56
51	Large-Scale Plasmonic Pyramidal Supercrystals via Templated Self-Assembly of Monodisperse Gold Nanospheres. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10899-10906.	1.5	78
52	An approach to growth of Fe <sup>2+</sup> /Si multilayers with controlled composition profile—a way to exchange coupled thin films. <i>Nanotechnology</i> , 2017, 28, 115303.	1.3	5
53	Saturable absorption in detonation nanodiamond dispersions. <i>Journal of Nanophotonics</i> , 2017, 11, 032506.	0.4	6
54	Direct Observation of Current-Induced Motion of a 3D Vortex Domain Wall in Cylindrical Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16741-16744.	4.0	21

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55	Photoinduced effects in field electron emission from diamond needles. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	14
56	Copper on carbon materials: stabilization by nitrogen doping. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10574-10583.	5.2	103
57	Size effect and scaling power-law for superelasticity in shape-memory alloys at the nanoscale. <i>Nature Nanotechnology</i> , 2017, 12, 790-796.	15.6	70
58	Factors Influencing the Performance of Pd/C Catalysts in the Green Production of Hydrogen from Formic Acid. <i>ChemSusChem</i> , 2017, 10, 720-730.	3.6	76
59	Cobalt oxide as a selective co-catalyst for water oxidation in the presence of an organic dye. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1771-1777.	1.6	2
60	The growth of new extended carbon nanophases from ferrocene inside single-walled carbon nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700158.	1.2	17
61	Probing low-energy hyperbolic polaritons in van der Waals crystals with an electron microscope. <i>Nature Communications</i> , 2017, 8, 95.	5.8	111
62	Single-Walled Carbon Nanotube Reactor for Redox Transformation of Mercury Dichloride. <i>ACS Nano</i> , 2017, 11, 8643-8649.	7.3	38
63	Design of active and stable oxygen reduction reaction catalysts by embedding Co x O y nanoparticles into nitrogen-doped carbon. <i>Nano Research</i> , 2017, 10, 97-107.	5.8	25
64	Laser-triggered proton acceleration from hydrogenated low-density targets. <i>Physical Review Accelerators and Beams</i> , 2017, 20, .	0.6	11
65	Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. <i>Advanced Materials</i> , 2016, 28, 2609-2615.	11.1	77
66	Field emission from single-walled carbon nanotubes modified by annealing and CuCl doping. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	5
67	Periodic Magnetization Pattern for Controlled Domain Wall Motion in Nanowires. <i>Microscopy and Microanalysis</i> , 2016, 22, 1678-1679.	0.2	1
68	Single crystalline cylindrical nanowires " toward dense 3D arrays of magnetic vortices. <i>Scientific Reports</i> , 2016, 6, 23844.	1.6	45
69	Carbon microspheres preparation, graphitization and surface functionalization for glycerol etherification. <i>Catalysis Today</i> , 2016, 277, 68-77.	2.2	27
70	Support effect for nanosized Au catalysts in hydrogen production from formic acid decomposition. <i>Catalysis Science and Technology</i> , 2016, 6, 6853-6860.	2.1	56
71	Reaction kinetics of bond rotations in graphene. <i>Carbon</i> , 2016, 105, 176-182.	5.4	18
72	Modulated Magnetic Nanowires for Controlling Domain Wall Motion: Toward 3D Magnetic Memories. <i>ACS Nano</i> , 2016, 10, 5326-5332.	7.3	126

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73	Virus-Templated Near-Amorphous Iron Oxide Nanotubes. <i>Langmuir</i> , 2016, 32, 5899-5908.	1.6	16
74	Enhanced supercapacitance of vertically aligned multi-wall carbon nanotube array covered by MoS <sub>2</sub> nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2451-2456.	0.7	11
75	Optical properties and charge transfer effects in single-walled carbon nanotubes filled with functionalized adamantane molecules. <i>Carbon</i> , 2016, 109, 87-97.	5.4	15
76	Photocatalytic and magnetic titanium dioxide/polystyrene/magnetite composite hybrid polymer particles. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3350-3356.	2.5	12
77	Microstructural Changes in La <sup>x</sup> CaxCoO <sub>3</sub> Solid Solutions Under the Influence of Catalytic Reaction of Methane Combustion. <i>Topics in Catalysis</i> , 2016, 59, 1354-1360.	1.3	4
78	Electron Transport Layer-Free Solar Cells Based on Perovskite/Fullerene Blend Films with Enhanced Performance and Stability. <i>ChemSusChem</i> , 2016, 9, 2679-2685.	3.6	60
79	Tunable magnetic nanowires for biomedical and harsh environment applications. <i>Scientific Reports</i> , 2016, 6, 24189.	1.6	88
80	Structural peculiarities of single crystal diamond needles of nanometer thickness. <i>Nanotechnology</i> , 2016, 27, 455707.	1.3	12
81	In-Situ Study of Domain Walls Propagation and Pinning in Modulated Magnetic Nanowires.. <i>Microscopy and Microanalysis</i> , 2016, 22, 832-833.	0.2	1
82	Remote Magnetomechanical Nanoactuation. <i>Small</i> , 2016, 12, 1013-1023.	5.2	44
83	Single Isolated Pd <sup>2+</sup> Cations Supported on N-Doped Carbon as Active Sites for Hydrogen Production from Formic Acid Decomposition. <i>ACS Catalysis</i> , 2016, 6, 681-691.	5.5	252
84	Plasmonic substrates comprising gold nanostars efficiently regenerate cofactor molecules. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7045-7052.	5.2	30
85	Hierarchical organization and molecular diffusion in gold nanorod/silica supercrystal nanocomposites. <i>Nanoscale</i> , 2016, 8, 7914-7922.	2.8	35
86	Multiscale differential phase contrast analysis with a unitary detector. <i>Ultramicroscopy</i> , 2016, 162, 74-81.	0.8	20
87	Temperature dependent radiative and non-radiative recombination dynamics in CdSe/CdTe and CdTe/CdSe type II hetero nanoplatelets. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3197-3203.	1.3	41
88	Ferromagnetics: Weak Delocalization in Graphene on a Ferromagnetic Insulating Film ( <i>Small</i> 47/2015). <i>Small</i> , 2015, 11, 6242-6242.	5.2	1
89	Weak Delocalization in Graphene on a Ferromagnetic Insulating Film. <i>Small</i> , 2015, 11, 6295-6301.	5.2	7
90	Effect of alkali-soluble resin emulsifiers on coalescence and interdiffusion between latex polymer particles. <i>Colloid and Polymer Science</i> , 2015, 293, 2419-2427.	1.0	11

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91	Conjugated Polymers As Molecular Gates for Light-Controlled Release of Gold Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 15692-15695.	4.0	7
92	Electron microscopy of single-wall carbon nanotubes-polymer-Pt(Ru) composite materials. Journal of Surface Investigation, 2015, 9, 355-363.	0.1	1
93	Colloidal synthesis and optical properties of type-II CdSe@CdTe and inverted CdTe@CdSe core-shell heteronanoplatelets. Nanoscale, 2015, 7, 8084-8092.	2.8	54
94	Segregation of materials in double precursor electron-beam-induced-deposition: a route to functional magnetic nanostructures. Nanotechnology, 2015, 26, 375302.	1.3	4
95	On the variation of magnetic anisotropy in Co/Pt(111) on silicon oxide. Journal of Applied Physics, 2015, 117, .	1.1	21
96	Functionalization of Defect Sites in Graphene with RuO <sub>2</sub> for High Capacitive Performance. ACS Applied Materials & Interfaces, 2015, 7, 20513-20519.	4.0	36
97	Plasmon-driven photoregeneration of cofactor molecules. Chemical Communications, 2015, 51, 5330-5333.	2.2	30
98	Chiral templating of self-assembling nanostructures by circularly polarized light. Nature Materials, 2015, 14, 66-72.	13.3	330
99	In Situ Monitoring of DNA Aptavalve Gating Function on Mesoporous Silica Nanoparticles. Particle and Particle Systems Characterization, 2014, 31, 161-167.	1.2	19
100	Crystallographically driven magnetic behaviour of arrays of monocrystalline Co nanowires. Nanotechnology, 2014, 25, 475702.	1.3	51
101	Gold Spiky Nanodumbbells: Anisotropy in Gold Nanostars. Particle and Particle Systems Characterization, 2014, 31, 77-80.	1.2	20
102	Electron microscopy study of a Pt-Pd bimetallic structure formation on soot for catalytic systems. Nanotechnologies in Russia, 2014, 9, 485-491.	0.7	3
103	Polarization-Resolved Near-Field Characterization of Nanoscale Infrared Modes in Transmission Lines Fabricated by Gallium and Helium Ion Beam Milling. ACS Photonics, 2014, 1, 604-611.	3.2	11
104	Linear and non-linear optical properties of filled single-wall carbon nanotubes. , 2014, , .		0
105	Nanometer-Sized MoS <sub>2</sub> Clusters on Graphene Flakes for Catalytic Formic Acid Decomposition. ACS Catalysis, 2014, 4, 3950-3956.	5.5	49
106	Optical properties of single-walled carbon nanotubes filled with CuCl by gas-phase technique. Physica Status Solidi (B): Basic Research, 2014, 251, 2466-2470.	0.7	36
107	Recovery of Permittivity and Depth from Near-Field Data as a Step toward Infrared Nanotomography. ACS Nano, 2014, 8, 6911-6921.	7.3	91
108	FEBID fabrication and magnetic characterization of individual nano-scale and micro-scale Co structures. Nanofabrication, 2014, 1, .	1.1	8

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109	Magnetic structure of a single-crystal hcp electrodeposited cobalt nanowire. <i>Europhysics Letters</i> , 2013, 102, 17009.	0.7	45
110	Room-temperature air-stable spin transport in bathocuproine-based spin valves. <i>Nature Communications</i> , 2013, 4, .	5.8	74
111	CdSe/CdS Nanoheteroplatelets with Efficient Photoexcitation of Central CdSe Region through Epitaxially Grown CdS Wings. <i>Journal of the American Chemical Society</i> , 2013, 135, 14476-14479.	6.6	103
112	Knock-on damage in bilayer graphene: Indications for a catalytic pathway. <i>Physical Review B</i> , 2013, 88, .	1.1	19
113	Ultradisperse catalytic layers supported by nanotubes and poly(diallyldimethylammonium)chloride polymer. <i>Russian Journal of Electrochemistry</i> , 2013, 49, 265-271.	0.3	5
114	Ultrathin rechargeable all-solid-state batteries based on monolayer graphene. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3177.	5.2	60
115	Inclusion of radiation damage dynamics in high-resolution transmission electron microscopy image simulations: The example of graphene. <i>Physical Review B</i> , 2013, 87, .	1.1	31
116	Resonant Antenna Probes for Tip-Enhanced Infrared Near-Field Microscopy. <i>Nano Letters</i> , 2013, 13, 1065-1072.	4.5	114
117	The Condensation of Water on Adsorbed Viruses.. <i>Langmuir</i> , 2013, 29, 14580-14587.	1.6	12
118	Origin and control of magnetic exchange coupling in between focused electron beam deposited cobalt nanostructures. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	20
119	Interfacial and Network Characteristics of Silicon Nanoparticle Layers Used in Printed Electronics. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DA11.	0.8	8
120	The Mechanism of {113} Defect Formation in Silicon: Clustering of Interstitial-Vacancy Pairs Studied by <i>In Situ</i> High-Resolution Electron Microscope Irradiation. <i>Microscopy and Microanalysis</i> , 2013, 19, 38-42.	0.2	14
121	The structure and electronic properties of copper iodide 1D nanocrystals within single walled carbon nanotubes. <i>Journal of Physics: Conference Series</i> , 2013, 471, 012035.	0.3	3
122	Enhanced resolution in subsurface near-field optical microscopy. <i>Optics Express</i> , 2012, 20, 593.	1.7	63
123	Quantitative Analysis of Electron Beam-Induced Destruction of Graphene Membranes under an Electron Microscope. <i>Microscopy and Microanalysis</i> , 2012, 18, 1500-1501.	0.2	0
124	Crystallography-Driven Positive Exchange Bias in $\text{CoO}/\text{CoO}$ Bilayers. <i>Physical Review Letters</i> , 2012, 109, 177205.	2.9	42
125	Enhancement effects in plasmonic nanocavities with quantum emitters. , 2012, , .		0
126	Correlative infrared-electron nanoscopy reveals the local structure-conductivity relationship in zinc oxide nanowires. <i>Nature Communications</i> , 2012, 3, 1131.	5.8	53



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127	Determination of the Coalescence Temperature of Latexes by Environmental Scanning Electron Microscopy. ACS Applied Materials & Interfaces, 2012, 4, 4276-4282.	4.0	21
128	Whispering gallery modes microcavities with J-aggregates and plasmonic hot spots. Proceedings of SPIE, 2012, , .	0.8	0
129	Size, Structure, and Helical Twist of Graphene Nanoribbons Controlled by Confinement in Carbon Nanotubes. ACS Nano, 2012, 6, 3943-3953.	7.3	134
130	Accurate Measurement of Electron Beam Induced Displacement Cross Sections for Single-Layer Graphene. Physical Review Letters, 2012, 108, 196102.	2.9	383
131	Magneto-optical magnetometry of individual 30%nm cobalt nanowires grown by electron beam induced deposition. Applied Physics Letters, 2012, 100, 142401.	1.5	50
132	The structure of 1D and 3D CuI nanocrystals grown within 1.5-2.5 nm single wall carbon nanotubes obtained by catalyzed chemical vapor deposition. Carbon, 2012, 50, 4696-4704.	5.4	30
133	Optical and structural properties of Nb2O5-SiO2 mixtures in thin films. Surface and Coatings Technology, 2012, 206, 3650-3657.	2.2	11
134	Functionalised endohedral fullerenes in single-walled carbon nanotubes. Chemical Communications, 2011, 47, 2116-2118.	2.2	45
135	Whispering gallery mode resonators with J-aggregates. Optics Express, 2011, 19, 22280.	1.7	32
136	Experimental analysis of charge redistribution due to chemical bonding by high-resolution transmission electron microscopy. Nature Materials, 2011, 10, 209-215.	13.3	270
137	Nanofocusing of mid-infrared energy with tapered transmission lines. Nature Photonics, 2011, 5, 283-287.	15.6	203
138	Self-assembly of a sulphur-terminated graphene nanoribbon within a single-walled carbon nanotube. Nature Materials, 2011, 10, 687-692.	13.3	253
139	Transmission electron microscopy study of the microstructure of amorphous Co-P alloy films on various spatial scales. Russian Metallurgy (Metally), 2011, 2011, 465-470.	0.1	5
140	Three-dimensional GaN for semipolar light emitters. Physica Status Solidi (B): Basic Research, 2011, 248, 549-560.	0.7	62
141	Biodegradable Polymeric Nanoparticles as Templates for Biomimetic Mineralization of Calcium Phosphate. Macromolecular Chemistry and Physics, 2011, 212, 915-925.	1.1	13
142	Mid-infrared nanophotonics based on antennas and transmission lines. , 2011, , .		0
143	Effect of internal strain fields on the controllability of nanodimensional ferroelectric films in a plane capacitor. Technical Physics, 2010, 55, 395-399.	0.2	2
144	Synthesis and properties of hydroxyapatite-containing porous titania coating on ultrafine-grained titanium by micro-arc oxidation. Acta Biomaterialia, 2010, 6, 2816-2825.	4.1	171

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145	Grain refinement and mechanical properties in ultrafine grained Pd and Pd–Ag alloys produced by HPT. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 1776-1783.	2.6	41
146	Beobachtung chemischer Reaktionen auf atomarer Ebene: Dynamik von Fullerenverschmelzung und Nanoröhrenbruch durch Vermittlung von Metallionen. <i>Angewandte Chemie</i> , 2010, 122, 197-201.	1.6	9
147	Observations of Chemical Reactions at the Atomic Scale: Dynamics of Metal-Mediated Fullerene Coalescence and Nanotube Rupture. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 193-196.	7.2	52
148	Mechanical behaviour and in situ observation of shear bands in ultrafine grained Pd and Pd–Ag alloys. <i>Acta Materialia</i> , 2010, 58, 967-978.	3.8	43
149	Accessing the local three-dimensional structure of carbon materials sensitive to an electron beam. <i>Carbon</i> , 2010, 48, 4042-4048.	5.4	11
150	GaN-based LED structures on selectively grown semi-polar crystal facets. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1407-1413.	0.8	22
151	Topology peculiarities of graphite films of nanometer thickness. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 3010-3013.	0.7	12
152	Thermal oxidation of lattice matched InAlN/GaN heterostructures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 13-16.	0.8	13
153	Semipolar GaInN/GaN light-emitting diodes grown on honeycomb patterned substrates. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2140-2143.	0.8	27
154	Direct transformation of graphene to fullerene. <i>Nature Chemistry</i> , 2010, 2, 450-453.	6.6	361
155	Influence of nano-oxide layer on the giant magnetoresistance and exchange bias of NiMn/Co/Cu/Co spin valve sensors. <i>Journal of Applied Physics</i> , 2010, 107, 093910.	1.1	5
156	Testing the Temperature Limits of GaN-Based HEMT Devices. <i>IEEE Transactions on Device and Materials Reliability</i> , 2010, 10, 427-436.	1.5	115
157	Stability of Fluorinated Double-Walled Carbon Nanotubes Produced by Different Fluorination Techniques. <i>Chemistry of Materials</i> , 2010, 22, 4197-4203.	3.2	49
158	Atomic Structure of Reduced Graphene Oxide. <i>Nano Letters</i> , 2010, 10, 1144-1148.	4.5	1,076
159	Highly dense amorphous Nb <sub>2</sub> O <sub>5</sub> films with closed nanosized pores. <i>Applied Physics Letters</i> , 2009, 95, 081904.	1.5	15
160	Oxygen induced strain field homogenization in AlN nucleation layers and its impact on GaN grown by metal organic vapor phase epitaxy on sapphire: An x-ray diffraction study. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	39
161	FePt Nanorods and Nanowires for Novel Ferrofluids. <i>Solid State Phenomena</i> , 2009, 154, 89-94.	0.3	1
162	Reliability behavior of GaN HEMTs related to Au diffusion at the Schottky interface. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, S976.	0.8	38

#	ARTICLE	IF	CITATIONS
163	Epitaxial and polycrystalline CuInS <sub>2</sub> layers: Structural metastability and its influence on the photoluminescence. <i>Thin Solid Films</i> , 2009, 517, 2248-2251.	0.8	14
164	The correlation between mechanical stress, thermal shift and refractive index in HfO <sub>2</sub> , Nb <sub>2</sub> O <sub>5</sub> , Ta <sub>2</sub> O <sub>5</sub> and SiO <sub>2</sub> layers and its relation to the layer porosity. <i>Thin Solid Films</i> , 2009, 517, 6058-6068.	0.8	71
165	Chiral carbon nanoscrolls with a polygonal cross-section. <i>Carbon</i> , 2009, 47, 3099-3105.	5.4	37
166	High-resolution transmission electron microscopy of heteroepitaxial barium strontium titanate films grown on MgO substrates. <i>Journal of Surface Investigation</i> , 2009, 3, 542-547.	0.1	1
167	Exterior surface damage of calcium fluoride outcoupling mirrors for DUV lasers. <i>Optics Express</i> , 2009, 17, 8253.	1.7	10
168	Production of single crystal diamond needles by a combination of CVD growth and thermal oxidation. <i>Diamond and Related Materials</i> , 2009, 18, 1289-1293.	1.8	46
169	InAlN/GaN MOSHEMT With Self-Aligned Thermally Generated Oxide Recess. <i>IEEE Electron Device Letters</i> , 2009, 30, 1131-1133.	2.2	59
170	Depletion of surface accumulation charge in InN by anodic oxidation. <i>Journal of Applied Physics</i> , 2009, 105, 033702.	1.1	18
171	Electron Microscopic Studies with Graphene. <i>Microscopy and Microanalysis</i> , 2009, 15, 126-127.	0.2	5
172	From graphene constrictions to single carbon chains. <i>New Journal of Physics</i> , 2009, 11, 083019.	1.2	280
173	Above 500 °C operation of InAlN/GaN HEMTs. , 2009, , .		3
174	Selective Sputtering and Atomic Resolution Imaging of Atomically Thin Boron Nitride Membranes. <i>Nano Letters</i> , 2009, 9, 2683-2689.	4.5	488
175	Characterization of grain structure in nanocrystalline gadolinium by high-resolution transmission electron microscopy. <i>Journal of Materials Research</i> , 2009, 24, 342-346.	1.2	21
176	Investigation of the Microstructure of Co/Cu/Co/NiMn Spin Valve Systems. <i>Science of Advanced Materials</i> , 2009, 1, 198-204.	0.1	2
177	Detonation synthesis nanodiamonds for reinforcing metal matrix composite coatings operated under shock load. , 2009, , .		0
178	Bluish-green semipolar GaInN/GaN light emitting diodes on {111} GaN side facets. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 2059-2062.	0.8	7
179	Transport properties in n-type AlGaIn/AlN/GaN-superlattices. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1950-1952.	0.8	5
180	Fabrication of radial superlattices based on different hybrid materials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 2704-2708.	0.8	19

#	ARTICLE	IF	CITATIONS
181	Biomimetic Hydroxyapatite Crystallization in Gelatin Nanoparticles Synthesized Using a Miniemulsion Process. <i>Advanced Functional Materials</i> , 2008, 18, 2221-2227.	7.8	76
182	Process optimization for the effective reduction of threading dislocations in MOVPE grown GaN using in situ deposited masks. <i>Journal of Crystal Growth</i> , 2008, 310, 4867-4870.	0.7	67
183	Quantification and Segmentation of Electron Tomography Data- Exemplified at ErSi <sub>2</sub> Nanocrystals in SiC. , 2008, , 321-322.		0
184	Optical and structural properties of LaF <sub>3</sub> thin films. <i>Applied Optics</i> , 2008, 47, C157.	2.1	18
185	Optimization of semipolar GaInN/GaN blue/green light emitting diode structures on {1-101} GaN side facets. , 2008, , .		7
186	Evaluation of Frozen Phonons Models for Multislice Calculation of TDS. <i>Microscopy and Microanalysis</i> , 2007, 13, 130-131.	0.2	8
187	Investigating the Oxide Barrier Layer in Ta-Co-Cu-Co/Oxide/Co-NiMn Spin Valve Structures.. <i>Microscopy and Microanalysis</i> , 2007, 13, 404-405.	0.2	0
188	Electron Tomographic Characterization of Er doped SiC. <i>Microscopy and Microanalysis</i> , 2007, 13, 116-117.	0.2	1
189	The Stability of High Tension Measured by Convergent Beam Electron Diffraction as Base for High Accuracy of Lattice Parameter Determination. <i>Microscopy and Microanalysis</i> , 2007, 13, 132-133.	0.2	0
190	Barrier layer downscaling of InAlN/GaN HEMTs. <i>Device Research Conference, IEEE Annual</i> , 2007, , .	0.0	8
191	Deactivation of a Au/CeO <sub>2</sub> catalyst during the low-temperature water-gas shift reaction and its reactivation: A combined TEM, XRD, XPS, DRIFTS, and activity study. <i>Journal of Catalysis</i> , 2007, 250, 139-150.	3.1	114
192	Structural and spectroscopic properties of AlN layers grown by MOVPE. <i>Journal of Crystal Growth</i> , 2007, 298, 383-386.	0.7	19
193	Application of high-resolution electron microscopy for visualization and quantitative analysis of strain fields in heterostructures. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007, 71, 1426-1432.	0.1	38
194	Influence of the catalyst surface area on the activity and stability of Au/CeO <sub>2</sub> catalysts for the low-temperature water gas shift reaction. <i>Topics in Catalysis</i> , 2007, 44, 183-198.	1.3	53
195	Investigation of the formation process of nanosized particles of Ru(III). <i>Journal of Structural Chemistry</i> , 2007, 48, 144-149.	0.3	5
196	Prospects of the multislice method for CBED pattern calculation. <i>International Journal of Materials Research</i> , 2006, 97, 912-919.	0.1	2
197	Thermal effects in Raman spectra of hexagonal boron nitride and nanotube-containing boron nitride soot. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3316-3319.	0.7	13
198	Electron microtomography: A new method for studying the spatial structure of catalysts. <i>Kinetics and Catalysis</i> , 2006, 47, 464-466.	0.3	4

#	ARTICLE	IF	CITATIONS
199	Catalytic filamentous carbons-supported Ni for low-temperature methane decomposition. <i>Catalysis Today</i> , 2005, 102-103, 115-120.	2.2	36
200	Oriental effect of the texture of a carbon-nanotube film on $\text{CK}^{\pm}$ a radiation intensity. <i>JETP Letters</i> , 2005, 81, 34-38.	0.4	19
201	Synthesis, characterization and catalytic application for wet oxidation of phenol of iron-containing clays. <i>Applied Catalysis B: Environmental</i> , 2005, 59, 243-248.	10.8	83
202	Electronic state of nanodiamond/graphite interfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 393-398.	1.1	8
203	On the peculiarities of CBED pattern formation revealed by multislice simulation. <i>Ultramicroscopy</i> , 2005, 104, 73-82.	0.8	57
204	On the origin of HOLZ lines splitting near interfaces: multislice simulation of CBED patterns. <i>Journal of Electron Microscopy</i> , 2005, 54, 515-517.	0.9	20
205	Comparison of Structure and Conductivity of Multiwall Carbon Nanotubes Obtained over Ni and Ni/Fe Catalysts. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005, 12, 93-97.	1.0	8
206	On the mechanism of {113}-defect formation in Si. , 2005, , 359-362.		6
207	The effect of the signal-to-noise ratio in CBED patterns on the accuracy of lattice parameter determination. <i>Journal of Electron Microscopy</i> , 2004, 53, 237-244.	0.9	8
208	Coprecipitated iron-containing catalysts (Fe-Al <sub>2</sub> O <sub>3</sub> , Fe-Co-Al <sub>2</sub> O <sub>3</sub> , Fe-Ni-Al <sub>2</sub> O <sub>3</sub> ) for methane decomposition at moderate temperatures. <i>Applied Catalysis A: General</i> , 2004, 270, 87-99.	2.2	83
209	Carbon redistribution processes in nanocarbons. <i>Carbon</i> , 2004, 42, 1057-1061.	5.4	36
210	Filamentous carbons as a support for heteropoly acid. <i>Journal of Molecular Catalysis A</i> , 2004, 211, 131-137.	4.8	23
211	Preparation of colloidal solutions of noble metals stabilized by polyoxometalates and supported catalysts based on these solutions. <i>Kinetics and Catalysis</i> , 2004, 45, 870-878.	0.3	12
212	New fluorinated carbon support for catalysts. <i>Journal of Molecular Catalysis A</i> , 2004, 217, 155-160.	4.8	9
213	Coprecipitated iron-containing catalysts (Fe-Al <sub>2</sub> O <sub>3</sub> , Fe-Co-Al <sub>2</sub> O <sub>3</sub> , Fe-Ni-Al <sub>2</sub> O <sub>3</sub> ) for methane decomposition at moderate temperatures. Genesis of calcined and reduced catalysts. <i>Applied Catalysis A: General</i> , 2004, 268, 127-138.	2.2	70
214	Catalytic filamentous carbon as supports for nickel catalysts. <i>Carbon</i> , 2004, 42, 143-148.	5.4	53
215	Self-assembling carbon filament ropes formation. <i>Carbon</i> , 2004, 42, 1037-1042.	5.4	7
216	Gasification behavior of catalytic filamentous carbon. <i>Carbon</i> , 2004, 42, 2501-2507.	5.4	11

#	ARTICLE	IF	CITATIONS
217	The Formation of Clusters and Nanocrystals in Er-Implanted Hexagonal Silicon Carbide. <i>Microscopy and Microanalysis</i> , 2004, 10, 301-310.	0.2	6
218	Esterification of n-Butanol with Acetic Acid in the Presence of H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> Supported on Mesoporous Carbon Materials. <i>Kinetics and Catalysis</i> , 2003, 44, 778-787.	0.3	15
219	Title is missing!. <i>Russian Journal of Electrochemistry</i> , 2003, 39, 253-262.	0.3	2
220	Catalytic filamentous carbon. <i>Carbon</i> , 2003, 41, 1605-1615.	5.4	136
221	Structural properties of MBE grown Cu(In,Ga)S <sub>2</sub> layers on Si. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 1491-1494.	1.9	10
222	Carbon capacious Ni-Cu-Al <sub>2</sub> O <sub>3</sub> catalysts for high-temperature methane decomposition. <i>Applied Catalysis A: General</i> , 2003, 247, 51-63.	2.2	214
223	Enhanced Compositional Contrast in Imaging of Nanoprecipitates Buried in a Defective Crystal Using a Conventional TEM. <i>Microscopy and Microanalysis</i> , 2003, 9, 36-41.	0.2	22
224	Epitaxial CuIn <sub>(1-x)</sub> GaS <sub>2</sub> on Si(111): A perfectly lattice-matched system for x ~ 0.5. <i>Applied Physics Letters</i> , 2003, 83, 1563-1565.	1.5	5
225	Nucleation as Self-assembling Step of Carbon Deposit Formation on Metal Catalysts. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	0
226	Lattice parameter measurement by CBED: Accuracy limited by the noise. <i>Microscopy and Microanalysis</i> , 2003, 9, 356-357.	0.2	0
227	Considerations on the accuracy of lattice parameters determined from HRTEM images. <i>Microscopy and Microanalysis</i> , 2003, 9, 166-167.	0.2	1
228	Defects in hexagonal SiC analyzed by Molecular Dynamics and HRTEM image simulations. <i>Microscopy and Microanalysis</i> , 2003, 9, 204-205.	0.2	0
229	Z-contrast imaging in a conventional TEM. <i>Microscopy and Microanalysis</i> , 2003, 9, 78-79.	0.2	2
230	Fluorination of Arc-Produced Carbon Material Containing Multiwall Nanotubes. <i>Chemistry of Materials</i> , 2002, 14, 1472-1476.	3.2	70
231	Fluorine Effect on the Structure and Electrical Transport of Arc-Produced Carbon Nanotubes. <i>AIP Conference Proceedings</i> , 2002, , .	0.3	2
232	Direct observation of defect-mediated cluster nucleation. <i>Nature Materials</i> , 2002, 1, 102-105.	13.3	97
233	The temperature dependence of the electrical resistivity and the negative magnetoresistance of carbon nanoparticles. <i>Physics of the Solid State</i> , 2002, 44, 487-489.	0.2	9
234	Gas-phase synthesis of nitrogen-containing carbon nanotubes and their electronic properties. <i>Physics of the Solid State</i> , 2002, 44, 652-655.	0.2	29

#	ARTICLE	IF	CITATIONS
235	TEM evidence for factors affecting the genesis of carbon species on bare and K-promoted Ni/MgO catalysts during the dry reforming of methane. Carbon, 2002, 40, 1063-1070.	5.4	71
236	Adsorption of H3PW12O40 by porous carbon materials. Russian Chemical Bulletin, 2002, 51, 243-248.	0.4	15
237	Title is missing!. Doklady Physical Chemistry, 2002, 386, 207-210.	0.2	5
238	Title is missing!. Kinetics and Catalysis, 2002, 43, 698-710.	0.3	3
239	Thermodynamic analysis of nucleation of carbon deposits on metal particles and its implications for the growth of carbon nanotubes. Physical Review B, 2001, 64, .	1.1	107
240	X-ray Emission Studies of the Valence Band of Nanodiamonds Annealed at Different Temperatures. Journal of Physical Chemistry A, 2001, 105, 9781-9787.	1.1	64
241	Evidence for 9R-SiC?. Microscopy and Microanalysis, 2001, 7, 368-369.	0.2	0
242	Evidence for 9R-SiC?. Microscopy and Microanalysis, 2001, 7, 368-369.	0.2	3
243	The structure of Si nanocrystals on SiC. Journal of Electron Microscopy, 2001, 50, 311-319.	0.9	10
244	Anisotropic properties of carbonaceous material produced in arc discharge. Applied Physics A: Materials Science and Processing, 2001, 72, 481-486.	1.1	25
245	Decomposition of Methane over Iron Catalysts at the Range of Moderate Temperatures: The Influence of Structure of the Catalytic Systems and the Reaction Conditions on the Yield of Carbon and Morphology of Carbon Filaments. Journal of Catalysis, 2001, 201, 183-197.	3.1	292
246	Electrical resistivity of graphitized ultra-disperse diamond and onion-like carbon. Chemical Physics Letters, 2001, 336, 397-404.	1.2	136
247	Analysis of Strain and Defect Formation of Low-Dimensional Structures in SiC. Materials Science Forum, 2001, 353-356, 259-262.	0.3	1
248	Fluorinated cage multiwall carbon nanoparticles. Chemical Physics Letters, 2000, 322, 231-236.	1.2	46
249	Catalytic synthesis of carbon nanostructures from polymer precursors. Journal of Molecular Catalysis A, 2000, 158, 301-307.	4.8	46
250	XPS and TEM study of new carbon material: N-containing catalytic filamentous carbon. Journal of Molecular Catalysis A, 2000, 158, 413-416.	4.8	25
251	Synthesis and study of palladium colloids and related catalysts. Journal of Molecular Catalysis A, 2000, 158, 461-465.	4.8	9
252	Platinum electrodeposits on glassy carbon: The formation mechanism, morphology, and adsorption properties. Russian Journal of Electrochemistry, 2000, 36, 741-751.	0.3	37

#	ARTICLE	IF	CITATIONS
253	Pd-Clusters on Carbon: Structure of Adsorbed PdCl <sub>2</sub> Clusters and Interaction with Matrix. Materials Science Forum, 2000, 321-324, 1074-1077.	0.3	6
254	Aligned carbon nanotube films for cold cathode applications. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 1059.	1.6	56
255	Illusion of New Polytypes. Materials Science Forum, 2000, 338-342, 533-536.	0.3	0
256	Kinetics of the graphitization of dispersed diamonds at low temperatures. Journal of Applied Physics, 2000, 88, 4380.	1.1	162
257	Thin film cold cathode from nanostructured carbon. , 1999, , .		0
258	A transmission electron microscopy investigation of SiC films grown on SiC substrates by solid-source molecular beam epitaxy. Journal of Materials Research, 1999, 14, 3226-3236.	1.2	5
259	Control of the size and photochemical properties of Q-CdS particles attached to the inner and/or outer surface of the lecithin vesicle bilayer membrane by the nature of its precursors. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 125, 127-134.	2.0	11
260	On the peculiarities of bright/dark contrast in HRTEM images of SiC polytypes. Ultramicroscopy, 1999, 76, 21-37.	0.8	15
261	Role of the curvature of atomic layers in electron field emission from graphitic nanostructured carbon. JETP Letters, 1999, 69, 411-417.	0.4	32
262	Theoretical study of the formation of closed curved graphite-like structures during annealing of diamond surface. Journal of Applied Physics, 1999, 86, 863-870.	1.1	175
263	Origin of Threefold Periodicity in High-Resolution Transmission Electron Microscopy Images of Thin Film Cubic SiC. Microscopy and Microanalysis, 1999, 5, 420-427.	0.2	11
264	Oriented Carbon Nanotube Growth for Field Emission Applications. Materials Research Society Symposia Proceedings, 1999, 558, 111.	0.1	1
265	Raman identification of onion-like carbon. Carbon, 1998, 36, 821-826.	5.4	205
266	Closed curved graphite-like structures formation on micron-size diamond. Chemical Physics Letters, 1998, 289, 353-360.	1.2	56
267	Observation of 3-Fold Periodicity in 3C-SiC Layers Grown by MBE. Materials Science Forum, 1998, 264-268, 259-264.	0.3	3
268	On the nature of the interaction of H <sub>2</sub> PdCl <sub>4</sub> with the surface of graphite-like carbon materials. Carbon, 1997, 35, 73-82.	5.4	78
269	Systematic Study of Metal Particles (Pt, Ni) Contrast on Amorphous Support (Silica) Using Multislice. , 1997, , 371-374.		0
270	Structure of polynuclear palladium(II) hydroxocomplexes and the mechanism of their adsorption by carbon materials. Russian Chemical Bulletin, 1996, 45, 1296-1302.	0.4	12



#	ARTICLE	IF	CITATIONS
271	Long- and short-distance ordering of the metal cores of giant Pd clusters. <i>Journal of Crystal Growth</i> , 1996, 163, 377-387.	0.7	44
272	Chemical and morphological characterization of a direct methanol fuel cell based on a quaternary Pt-Ru-Sn-W/C anode. <i>Journal of Applied Electrochemistry</i> , 1996, 26, 959.	1.5	57
273	Vacancy Ordering in $\hat{\text{I}}^3\text{-Fe}_2\text{O}_3$ : Synchrotron X-ray Powder Diffraction and High-Resolution Electron Microscopy Studies. <i>Journal of Applied Crystallography</i> , 1995, 28, 141-145.	1.9	147
274	Structure of polynuclear palladium(ii) hydroxocomplexes formed upon alkaline hydrolysis of palladium(ii) chloride complexes. <i>Russian Chemical Bulletin</i> , 1995, 44, 1822-1826.	0.4	22
275	Formation of carbon particles of onion structure from ultradisperse diamond. <i>Combustion, Explosion and Shock Waves</i> , 1994, 30, 131-132.	0.3	3
276	Effect of explosion conditions on the structure of detonation soots: Ultradisperse diamond and onion carbon. <i>Carbon</i> , 1994, 32, 873-882.	5.4	185
277	Onion-like carbon from ultra-disperse diamond. <i>Chemical Physics Letters</i> , 1994, 222, 343-348.	1.2	610
278	Study of Onion-Like Carbon (OLC) Formation from Ultra Disperse Diamond (UDD). <i>Materials Research Society Symposia Proceedings</i> , 1994, 359, 105.	0.1	13
279	Magnesia-Supported Nickel Catalysts. <i>Journal of Catalysis</i> , 1993, 141, 34-47.	3.1	87
280	Formation of diamond from the liquid phase of carbon. <i>Combustion, Explosion and Shock Waves</i> , 1993, 29, 542-544.	0.3	22
281	Highly dispersed platinum honeycomb reforming catalysts: Sintering behavior and activity. <i>Reaction Kinetics and Catalysis Letters</i> , 1992, 48, 315-323.	0.6	1
282	Gas-phase hydroformylation of propylene on Ru/SiO <sub>2</sub> catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1991, 44, 139-146.	0.6	8
283	Study of ultradispersed diamond powders obtained using explosion energy. <i>Carbon</i> , 1991, 29, 665-668.	5.4	122
284	Influence of carbon support pretreatment on properties of Pd/C catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1990, 41, 211-216.	0.6	12
285	Preparation of palladium catalysts via thermal decomposition of supported Pd(O) complexes. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 38, 109-114.	0.6	4
286	Acidoligand substitution in large palladium clusters. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989, 38, 762-766.	0.0	0
287	Palladium catalysts on carbon supports 2. Description of the adsorption equilibria of Pd(II) in the H <sub>2</sub> PdCl <sub>4</sub> -HCl-carbon support system. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989, 38, 1792-1796.	0.0	0
288	Giant palladium clusters as catalysts of oxidative reactions of olefins and alcohols. <i>Journal of Molecular Catalysis</i> , 1989, 53, 315-348.	1.2	183

#	ARTICLE	IF	CITATIONS
289	Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene. <i>Applied Catalysis</i> , 1988, 42, 131-141.	1.1	78
290	New carbon material as support for catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1987, 33, 435-440.	0.6	163
291	Giant palladium cluster with a face-centered-cubic metal framework lattice. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1986, 35, 237-237.	0.0	1
292	Nanocomposite Coatings Produced by Friction Cladding. <i>Advanced Materials Research</i> , 0, 59, 220-224.	0.3	0