

Andrei Khlobystov

List of Publications by Year in descending order

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Version: 2024-02-01

219
papers

11,764
citations

34076

52
h-index

30894

102
g-index

245
all docs

245
docs citations

245
times ranked

14212
citing authors

#	ARTICLE	IF	CITATIONS
1	An Expanded 2D Fused Aromatic Network with 90° Ring Hexagons. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
2	Stabilization of Polyoxometalate Charge Carriers via Redox-Driven Nanoconfinement in Single-Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115619.	7.2	35
3	Stabilization of Polyoxometalate Charge Carriers via Redox-Driven Nanoconfinement in Single-Walled Carbon Nanotubes. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
4	Magnetic nanoribbons with embedded cobalt grown inside single-walled carbon nanotubes. <i>Nanoscale</i> , 2022, 14, 1978-1989.	2.8	4
5	Defect Etching in Carbon Nanotube Walls for Porous Carbon Nanoreactors: Implications for CO ₂ Sorption and the Hydrosilylation of Phenylacetylene. <i>ACS Applied Nano Materials</i> , 2022, 5, 2075-2086.	2.4	4
6	A Fullerene-Platinum Complex for Direct Functional Patterning of Single Metal Atom-Embedded Carbon Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1578-1586.	2.1	5
7	Influence of dissolution on the uptake of bimetallic nanoparticles Au@Ag-NPs in soil organism <i>Eisenia fetida</i> . <i>Chemosphere</i> , 2022, 302, 134909.	4.2	3
8	Antagonistic cytoprotective effects of C60 fullerene nanoparticles in simultaneous exposure to benzo[a]pyrene in a molluscan animal model. <i>Science of the Total Environment</i> , 2021, 755, 142355.	3.9	11
9	Imaging and analysis of covalent organic framework crystallites on a carbon surface: a nanocrystalline scaly COF/nanotube hybrid. <i>Nanoscale</i> , 2021, 13, 6834-6845.	2.8	5
10	Counting molecules in nano test tubes: a method for determining the activation parameters of thermally driven reactions through direct imaging. <i>Chemical Communications</i> , 2021, 57, 10628-10631.	2.2	1
11	Understanding charge transport in wavy 2D covalent organic frameworks. <i>Nanoscale</i> , 2021, 13, 6829-6833.	2.8	14
12	Single-molecule imaging and kinetic analysis of intermolecular polyoxometalate reactions. <i>Chemical Science</i> , 2021, 12, 7377-7387.	3.7	18
13	Graphene nanoribbons with incorporated Co atoms: Optical spectrum and magnetic response. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
14	Interpenetrated 3D Covalent Organic Frameworks from Distorted Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , 2021, 133, 10029-10034.	1.6	9
15	Epitaxy of boron nitride monolayers for graphene-based lateral heterostructures. <i>2D Materials</i> , 2021, 8, 034001.	2.0	15
16	Interpenetrated 3D Covalent Organic Frameworks from Distorted Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9941-9946.	7.2	65
17	Polaritonic Enhancement of Near-Field Scattering of Small Molecules Encapsulated in Boron Nitride Nanotubes: Chemical Reactions in Confined Spaces. <i>ACS Applied Nano Materials</i> , 2021, 4, 4335-4339.	2.4	5
18	Piecing Together Large Polycyclic Aromatic Hydrocarbons and Fullerenes: A Combined ChemTEM Imaging and MALDI-ToF Mass Spectrometry Approach. <i>Frontiers in Chemistry</i> , 2021, 9, 700562.	1.8	4

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19	Blurring the boundary between homogenous and heterogeneous catalysis using palladium nanoclusters with dynamic surfaces. <i>Nature Communications</i> , 2021, 12, 4965.	5.8	12
20	Palladium Nanoparticles Hardwired in Carbon Nanoreactors Enable Continually Increasing Electrocatalytic Activity During the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2021, 14, 4973-4984.	3.6	6
21	Electrochemistry of redox-active molecules confined within narrow carbon nanotubes. <i>Chemical Society Reviews</i> , 2021, 50, 10895-10916.	18.7	20
22	Palladium Nanoparticles Hardwired in Carbon Nanoreactors Enable Continually Increasing Electrocatalytic Activity During the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2021, 14, 4849.	3.6	1
23	Bond Dissociation and Reactivity of HF and H ₂ O in a Nano Test Tube. <i>ACS Nano</i> , 2020, 14, 11178-11189.	7.3	17
24	Atomic mechanism of metal crystal nucleus formation in a single-walled carbon nanotube. <i>Nature Chemistry</i> , 2020, 12, 921-928.	6.6	58
25	Direct Imaging of Atomic Permeation Through a Vacancy Defect in the Carbon Lattice. <i>Angewandte Chemie</i> , 2020, 132, 23122-23127.	1.6	0
26	Direct Imaging of Atomic Permeation Through a Vacancy Defect in the Carbon Lattice. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22922-22927.	7.2	3
27	Innentitelbild: Direct Imaging of Atomic Permeation Through a Vacancy Defect in the Carbon Lattice (Angew. Chem. 51/2020). <i>Angewandte Chemie</i> , 2020, 132, 22994-22994.	1.6	0
28	Accurate EELS background subtraction – an adaptable method in MATLAB. <i>Ultramicroscopy</i> , 2020, 217, 113052.	0.8	9
29	Cerium Oxide Nanoparticles Inside Carbon Nanoreactors for Selective Allylic Oxidation of Cyclohexene. <i>Nano Letters</i> , 2020, 20, 1161-1171.	4.5	34
30	Imaging an unsupported metal–metal bond in dirhenium molecules at the atomic scale. <i>Science Advances</i> , 2020, 6, eaay5849.	4.7	30
31	Step-flow growth of graphene-boron nitride lateral heterostructures by molecular beam epitaxy. <i>2D Materials</i> , 2020, 7, 035014.	2.0	14
32	WS ₂ /MoS ₂ Heterostructures through Thermal Treatment of MoS ₂ Layers Electrostatically Functionalized with WS ₃ S ₄ Molecular Clusters. <i>Chemistry - A European Journal</i> , 2020, 26, 6670-6678.	1.7	6
33	Direct Synthesis of Multiplexed Metal–Nanowire–Based Devices by Using Carbon Nanotubes as Vector Templates. <i>Angewandte Chemie</i> , 2019, 131, 10033-10037.	1.6	4
34	Antagonistic Interactions between Benzo[a]pyrene and Fullerene (C60) in Toxicological Response of Marine Mussels. <i>Nanomaterials</i> , 2019, 9, 987.	1.9	20
35	Host–Guest Hybrid Redox Materials Self-Assembled from Polyoxometalates and Single-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2019, 31, e1904182.	11.1	77
36	An integrated approach to determine interactive genotoxic and global gene expression effects of multiwalled carbon nanotubes (MWCNTs) and benzo[a]pyrene (BaP) on marine mussels: evidence of reverse –Trojan Horse™ effects. <i>Nanotoxicology</i> , 2019, 13, 1324-1343.	1.6	9

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37	A Wavy Two-Dimensional Covalent Organic Framework from Core-Twisted Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2019, 141, 14403-14410.	6.6	63
38	Three dimensional nanoscale analysis reveals aperiodic mesopores in a covalent organic framework and conjugated microporous polymer. <i>Nanoscale</i> , 2019, 11, 2848-2854.	2.8	17
39	Wallâ€and Hybridisationâ€Selective Synthesis of Nitrogenâ€Doped Doubleâ€Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10276-10280.	7.2	4
40	Direct Synthesis of Multiplexed Metalâ€Nanowireâ€Based Devices by Using Carbon Nanotubes as Vector Templates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9928-9932.	7.2	10
41	Coreâ€Shell NaHoF ₄ @TiO ₂ NPs: A Labeling Method to Trace Engineered Nanomaterials of Ubiquitous Elements in the Environment. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19452-19461.	4.0	5
42	Interactions Between Nanoparticles and Carbon Nanotubes: Directing the Self-Assembly of One-Dimensional Superstructures. , 2019, , 219-236.		0
43	The effects of encapsulation on damage to molecules by electron radiation. <i>Micron</i> , 2019, 120, 96-103.	1.1	14
44	Steric and Electronic Control of 1,3-Dipolar Cycloaddition Reactions in Carbon Nanotube Nanoreactors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6294-6302.	1.5	13
45	Molybdenum Dioxide in Carbon Nanoreactors as a Catalytic Nanosponge for the Efficient Desulfurization of Liquid Fuels. <i>Advanced Functional Materials</i> , 2019, 29, 1808092.	7.8	81
46	Encapsulation of Cadmium Selenide Nanocrystals in Biocompatible Nanotubes: DFT Calculations, Xâ€ray Diffraction Investigations, and Confocal Fluorescence Imaging. <i>ChemistryOpen</i> , 2018, 7, 144-158.	0.9	15
47	Magnetic shepherding of nanocatalysts through hierarchically-assembled Fe-filled CNTs hybrids. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 356-365.	10.8	29
48	High-temperature molecular beam epitaxy of hexagonal boron nitride layers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, .	0.6	31
49	Lattice-Matched Epitaxial Graphene Grown on Boron Nitride. <i>Nano Letters</i> , 2018, 18, 498-504.	4.5	39
50	Synthesis of hydroxylated group IV metal oxides inside hollow graphitised carbon nanofibers: nano-sponges and nanoreactors for enhanced decontamination of organophosphates. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20444-20453.	5.2	15
51	Movement of palladium nanoparticles in hollow graphitised nanofibres: the role of migration and coalescence in nanocatalyst sintering during the Suzukiâ€Miyaura reaction. <i>Nanoscale</i> , 2018, 10, 19046-19051.	2.8	12
52	Direct Correlation of Carbon Nanotube Nucleation and Growth with the Atomic Structure of Rhenium Nanocatalysts Stimulated and Imaged by the Electron Beam. <i>Nano Letters</i> , 2018, 18, 6334-6339.	4.5	14
53	Formation of hollow carbon nanoshells from thiol stabilised silver nanoparticles via heat treatment. <i>Carbon</i> , 2018, 139, 538-544.	5.4	6
54	High-Temperature Molecular Beam Epitaxy of Hexagonal Boron Nitride with High Active Nitrogen Fluxes. <i>Materials</i> , 2018, 11, 1119.	1.3	17

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55	Magnetically Recyclable Catalytic Carbon Nanoreactors. <i>Advanced Functional Materials</i> , 2018, 28, 1802869.	7.8	17
56	Comparison of atomic scale dynamics for the middle and late transition metal nanocatalysts. <i>Nature Communications</i> , 2018, 9, 3382.	5.8	35
57	Moiré-Modulated Conductance of Hexagonal Boron Nitride Tunnel Barriers. <i>Nano Letters</i> , 2018, 18, 4241-4246.	4.5	19
58	Polyoxometalate Chemistry in Carbon Nanotubes. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
59	Formation of Nickel Clusters Wrapped in Carbon Cages: Toward New Endohedral Metallofullerene Synthesis. <i>Nano Letters</i> , 2017, 17, 1082-1089.	4.5	24
60	Stop-Frame Filming and Discovery of Reactions at the Single-Molecule Level by Transmission Electron Microscopy. <i>ACS Nano</i> , 2017, 11, 2509-2520.	7.3	46
61	Nanoscale engineering of hybrid magnetite-carbon nanofibre materials for magnetic resonance imaging contrast agents. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2167-2174.	2.7	17
62	Twisted Aromatic Frameworks: Readily Exfoliable and Solution-Processable Two-Dimensional Conjugated Microporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6946-6951.	7.2	100
63	Twisted Aromatic Frameworks: Readily Exfoliable and Solution-Processable Two-Dimensional Conjugated Microporous Polymers. <i>Angewandte Chemie</i> , 2017, 129, 7050-7055.	1.6	21
64	Comparison of alkene hydrogenation in carbon nanoreactors of different diameters: probing the effects of nanoscale confinement on ruthenium nanoparticle catalysis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21467-21477.	5.2	17
65	A one-pot-one-reactant synthesis of platinum compounds at the nanoscale. <i>Nanoscale</i> , 2017, 9, 14385-14394.	2.8	22
66	Growth of Carbon Nanotubes inside Boron Nitride Nanotubes by Coalescence of Fullerenes: Toward the World's Smallest Coaxial Cable. <i>Small Methods</i> , 2017, 1, 1700184.	4.6	16
67	An atomic carbon source for high temperature molecular beam epitaxy of graphene. <i>Scientific Reports</i> , 2017, 7, 6598.	1.6	16
68	Chemical Reactions of Molecules Promoted and Simultaneously Imaged by the Electron Beam in Transmission Electron Microscopy. <i>Accounts of Chemical Research</i> , 2017, 50, 1797-1807.	7.6	79
69	Sensitization, energy transfer and infra-red emission decay modulation in Yb ³⁺ -doped NaYF ₄ nanoparticles with visible light through a perfluoroanthraquinone chromophore. <i>Scientific Reports</i> , 2017, 7, 5066.	1.6	17
70	Structure-Activity Relationships of Benzenesulfonamide-Based Inhibitors towards Carbonic Anhydrase Isoform Specificity. <i>ChemBioChem</i> , 2017, 18, 213-222.	1.3	38
71	Investigation of the Interactions and Bonding between Carbon and Group VIII Metals at the Atomic Scale. <i>Small</i> , 2016, 12, 1649-1657.	5.2	27
72	Hexagonal Boron Nitride Tunnel Barriers Grown on Graphite by High Temperature Molecular Beam Epitaxy. <i>Scientific Reports</i> , 2016, 6, 34474.	1.6	60

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73	High temperature MBE of graphene on sapphire and hexagonal boron nitride flakes on sapphire. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, .	0.6	22
74	Strain-Engineered Graphene Grown on Hexagonal Boron Nitride by Molecular Beam Epitaxy. <i>Scientific Reports</i> , 2016, 6, 22440.	1.6	49
75	Chemical reactions at the graphitic step-edge: changes in product distribution of catalytic reactions as a tool to explore the environment within carbon nanoreactors. <i>Nanoscale</i> , 2016, 8, 11727-11737.	2.8	7
76	Direct Measurement of Electron Transfer in Nanoscale Host-Guest Systems: Metallocenes in Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2016, 22, 13540-13549.	1.7	18
77	Extremely Stable Platinum-Amorphous Carbon Electrocatalyst within Hollow Graphitized Carbon Nanofibers for the Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2016, 28, 9103-9108.	11.1	58
78	Growth of single-layer boron nitride dome-shaped nanostructures catalysed by iron clusters. <i>Nanoscale</i> , 2016, 8, 15079-15085.	2.8	5
79	Electrocatalysis: Extremely Stable Platinum-Amorphous Carbon Electrocatalyst within Hollow Graphitized Carbon Nanofibers for the Oxygen Reduction Reaction (<i>Adv. Mater.</i> 41/2016). <i>Advanced Materials</i> , 2016, 28, 9231-9231.	11.1	1
80	Cloaking by π -electrons in the infrared. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2457-2460.	0.7	3
81	Carbon Nanotubes as Electrically Active Nanoreactors for Multi-Step Inorganic Synthesis: Sequential Transformations of Molecules to Nanoclusters and Nanoclusters to Nanoribbons. <i>Journal of the American Chemical Society</i> , 2016, 138, 8175-8183.	6.6	68
82	Stabilising the lowest energy charge-separated state in a {metal chromophore fullerene} assembly: a tuneable panchromatic absorbing donor-acceptor triad. <i>Chemical Science</i> , 2016, 7, 5908-5921.	3.7	15
83	Chemical reactions confined within carbon nanotubes. <i>Chemical Society Reviews</i> , 2016, 45, 4727-4746.	18.7	177
84	Ag-catalysed cutting of multi-walled carbon nanotubes. <i>Nanotechnology</i> , 2016, 27, 175604.	1.3	6
85	4-Arylbenzenesulfonamides as Human Carbonic Anhydrase Inhibitors (hCAIs): Synthesis by Pd Nanocatalyst-Mediated Suzuki-Miyaura Reaction, Enzyme Inhibition, and X-ray Crystallographic Studies. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 721-732.	2.9	33
86	Electron beam controlled covalent attachment of small organic molecules to graphene. <i>Nanoscale</i> , 2016, 8, 2711-2719.	2.8	28
87	Synthesis, Characterization, and Application of Core-Shell $\text{Co}_{0.16}\text{Fe}_{2.84}\text{O}_4 @ \text{NaYF}_4 (\text{Yb, Er})$ and $\text{Fe}_3\text{O}_4 @ \text{NaYF}_4 (\text{Yb, Tm})$ Nanoparticle as Trimodal (MRI, PET/SPECT), Tj ETQq1 1 0.784314 rgB	1.8	59
88	Transmission Electron Microscopy: Isotope Substitution Extends the Lifetime of Organic Molecules in Transmission Electron Microscopy (<i>Small</i> 5/2015). <i>Small</i> , 2015, 11, 510-510.	5.2	4
89	Palladium nanoparticles in catalytic carbon nanoreactors: the effect of confinement on Suzuki-Miyaura reactions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3918-3927.	5.2	36
90	Dynamics of Gold Nanoparticles on Carbon Nanostructures Driven by van der Waals and Electrostatic Interactions. <i>Small</i> , 2015, 11, 2756-2761.	5.2	12

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91	Harnessing the Synergistic and Complementary Properties of Fullerene and Transition-Metal Compounds for Nanomaterial Applications. <i>Chemical Reviews</i> , 2015, 115, 11301-11351.	23.0	118
92	Biotechnological promises of Fe-filled CNTs for cell shepherding and magnetic fluid hyperthermia applications. <i>Nanoscale</i> , 2015, 7, 20474-20488.	2.8	18
93	Switching intermolecular interactions by confinement in carbon nanotubes. <i>Chemical Communications</i> , 2015, 51, 648-651.	2.2	5
94	Isotope Substitution Extends the Lifetime of Organic Molecules in Transmission Electron Microscopy. <i>Small</i> , 2015, 11, 622-629.	5.2	39
95	Tuning the interactions between electron spins in fullerene-based triad systems. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 332-343.	1.3	8
96	Single-walled carbon nanotubes as nano-electrode and nano-reactor to control the pathways of a redox reaction. <i>Chemical Communications</i> , 2014, 50, 14338-14340.	2.2	15
97	Creating and testing carbon interfaces – integrating oligomeric phthalocyanines onto single walled carbon nanotubes. <i>Faraday Discussions</i> , 2014, 172, 61-79.	1.6	7
98	Evaluating the Effects of Carbon Nanoreactor Diameter and Internal Structure on the Pathways of the Catalytic Hydrosilylation Reaction. <i>Small</i> , 2014, 10, 1866-1872.	5.2	14
99	Fullerene-driven encapsulation of a luminescent Eu(III) complex in carbon nanotubes. <i>Nanoscale</i> , 2014, 6, 2887.	2.8	9
100	New Pathway for Heterogenization of Molecular Catalysts by Non-covalent Interactions with Carbon Nanoreactors. <i>Chemistry of Materials</i> , 2014, 26, 6461-6466.	3.2	23
101	The atomistic mechanism of carbon nanotube cutting catalyzed by nickel under an electron beam. <i>Nanoscale</i> , 2014, 6, 14877-14890.	2.8	19
102	Controlled oxidative cutting of carbon nanotubes catalysed by silver nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8357-8363.	2.7	14
103	Catalytic nanoreactors in continuous flow: hydrogenation inside single-walled carbon nanotubes using supercritical CO ₂ . <i>Chemical Communications</i> , 2014, 50, 5200-5202.	2.2	27
104	Interactions of carbon nanotubes and gold nanoparticles: the effects of solvent dielectric constant and temperature on controlled assembly of superstructures. <i>Dalton Transactions</i> , 2014, 43, 7400.	1.6	12
105	Organometallic and coordination chemistry of carbon nanomaterials. <i>Dalton Transactions</i> , 2014, 43, 7345.	1.6	10
106	The effects of interactions between proline and carbon nanostructures on organocatalysis in the Hajos-Parrish-Eder-Sauer-Wiechert reaction. <i>Nanoscale</i> , 2014, 6, 11141-11146.	2.8	3
107	Electronic Property Modification of Single-Walled Carbon Nanotubes by Encapsulation of Sulfur-Terminated Graphene Nanoribbons. <i>Small</i> , 2014, 10, 5077-5086.	5.2	9
108	Interactions and Chemical Transformations of Coronene Inside and Outside Carbon Nanotubes. <i>Small</i> , 2014, 10, 1369-1378.	5.2	33

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109	In situ heating and tomography of gold nanoparticles on carbon structures. <i>Journal of Physics: Conference Series</i> , 2014, 522, 012073.	0.3	0
110	Synthesis, X-ray crystallography and electrochemistry of three novel copper complexes with imidazole-containing hydantoin and thiohydantoins. <i>Polyhedron</i> , 2013, 63, 15-20.	1.0	15
111	Transition Metal Complexes of a Salen ²⁺ -Fullerene Diad: Redox and Catalytically Active Nanostructures for Delivery of Metals in Nanotubes. <i>Chemistry - A European Journal</i> , 2013, 19, 11999-12008.	1.7	15
112	Regioselective control of aromatic halogenation reactions in carbon nanotube nanoreactors. <i>Chemical Communications</i> , 2013, 49, 5586.	2.2	33
113	Palladium nanoparticles on carbon nanotubes as catalysts of cross-coupling reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8737.	5.2	77
114	Competitive hydrosilylation in carbon nanoreactors: probing the effect of nanoscale confinement on selectivity. <i>Nanoscale</i> , 2013, 5, 12200.	2.8	35
115	Producing nanotubes of biocompatible hydroxyapatite by continuous hydrothermal synthesis. <i>CrystEngComm</i> , 2013, 15, 3256.	1.3	35
116	Click chemistry in carbon nanoreactors. <i>Chemical Communications</i> , 2013, 49, 1067.	2.2	40
117	Cleavage of the C ⁺ S bond with the formation of a binuclear copper complex with 2-thiolato-3-phenyl-5-(pyridine-2-ylmethylene)-3,5-dihydro-4H-imidazole-4-one. A new mimic of the active site of N2O reductase. <i>Dalton Transactions</i> , 2013, 42, 6290.	1.6	27
118	Triad and cyclic diad compounds of [60]fullerene with metallocenes. <i>Dalton Transactions</i> , 2013, 42, 5056.	1.6	8
119	Graphene-modified LiFePO ₄ cathode for lithium ion battery beyond theoretical capacity. <i>Nature Communications</i> , 2013, 4, 1687.	5.8	481
120	A two-step approach to the synthesis of N@C ₆₀ fullerene dimers for molecular qubits. <i>Chemical Science</i> , 2013, 4, 2971.	3.7	28
121	The effect of carbon nanotubes on chiral chemical reactions. <i>Chemical Physics Letters</i> , 2013, 557, 10-14.	1.2	17
122	Alignment of N@C ₆₀ Derivatives in a Liquid Crystal Matrix. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5925-5931.	1.2	18
123	Assembly and Magnetic Bistability of Mn ₃ O ₄ Nanoparticles Encapsulated in Hollow Carbon Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2051-2054.	7.2	23
124	Interactions and Reactions of Transition Metal Clusters with the Interior of Single-Walled Carbon Nanotubes Imaged at the Atomic Scale. <i>Journal of the American Chemical Society</i> , 2012, 134, 3073-3079.	6.6	83
125	Engineering molecular chains in carbon nanotubes. <i>Nanoscale</i> , 2012, 4, 7540.	2.8	6
126	N@C ₆₀ -Porphyrin: A Dyad of Two Radical Centers. <i>Journal of the American Chemical Society</i> , 2012, 134, 1938-1941.	6.6	34

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127	Catalytic and non-catalytic roles of pendant groups in the decomposition of N@C ₆₀ : a DFT investigation. <i>Chemical Communications</i> , 2012, 48, 5148.	2.2	3
128	High-Nuclearity Metal-Organic Nanospheres: A Cd ₆₆ Ball. <i>Journal of the American Chemical Society</i> , 2012, 134, 55-58.	6.6	61
129	Assembly, Growth, and Catalytic Activity of Gold Nanoparticles in Hollow Carbon Nanofibers. <i>ACS Nano</i> , 2012, 6, 2000-2007.	7.3	83
130	Chiral graphene nanoribbon inside a carbon nanotube: ab initio study. <i>Nanoscale</i> , 2012, 4, 4522.	2.8	32
131	Controlling the Regioselectivity of the Hydrosilylation Reaction in Carbon Nanoreactors. <i>Chemistry - A European Journal</i> , 2012, 18, 13180-13187.	1.7	47
132	Size, Structure, and Helical Twist of Graphene Nanoribbons Controlled by Confinement in Carbon Nanotubes. <i>ACS Nano</i> , 2012, 6, 3943-3953.	7.3	134
133	Formation of uncapped nanometre-sized metal particles by decomposition of metal carbonyls in carbon nanotubes. <i>Chemical Science</i> , 2012, 3, 1919.	3.7	49
134	Analysis of few-nm sized metal nanoparticles on carbon nanostructures. <i>Journal of Physics: Conference Series</i> , 2012, 371, 012066.	0.3	0
135	Interactions of Gold Nanoparticles with the Interior of Hollow Graphitized Carbon Nanofibers. <i>Small</i> , 2012, 8, 1222-1228.	5.2	29
136	Chemistry at the Nanoscale: Synthesis of an N@C ₆₀ -N@C ₆₀ Endohedral Fullerene Dimer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3587-3590.	7.2	40
137	An efficient route to the synthesis of symmetric and asymmetric diastereomerically pure fullerene triads. <i>Tetrahedron</i> , 2012, 68, 4976-4985.	1.0	5
138	Functionalised endohedral fullerenes in single-walled carbon nanotubes. <i>Chemical Communications</i> , 2011, 47, 2116-2118.	2.2	45
139	Encapsulation of transition metal atoms into carbon nanotubes: a supramolecular approach. <i>Chemical Communications</i> , 2011, 47, 5696.	2.2	24
140	Functionalized Fullerenes in Self-Assembled Monolayers. <i>Langmuir</i> , 2011, 27, 10977-10985.	1.6	45
141	Encapsulation of single-molecule magnets in carbon nanotubes. <i>Nature Communications</i> , 2011, 2, 407.	5.8	147
142	Carbon Nanotubes: From Nano Test Tube to Nano-Reactor. <i>ACS Nano</i> , 2011, 5, 9306-9312.	7.3	168
143	Transmission electron microscopy at 20kV for imaging and spectroscopy. <i>Ultramicroscopy</i> , 2011, 111, 1239-1246.	0.8	178
144	High-Quality Thin Graphene Films from Fast Electrochemical Exfoliation. <i>ACS Nano</i> , 2011, 5, 2332-2339.	7.3	896

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