

# Radek Zboril

## List of Publications by Year in descending order

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633  
papers

55,228  
citations

1606

105  
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1627

215  
g-index

682  
all docs

682  
docs citations

682  
times ranked

61413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide interaction with Lemna minor: Root barrier strong enough to prevent nanoblade-morphology-induced toxicity. Chemosphere, 2022, 291, 132739.	4.2	4
2	Optimized Pt Single Atom Harvesting on TiO <sub>2</sub> Nanotubes Towards a Most Efficient Photocatalyst. Small, 2022, 18, e2104892.	5.2	43
3	Robust dual cationic ligand for stable and efficient warm-white light emission in lead-free double perovskite nanocrystals. Applied Materials Today, 2022, 26, 101288.	2.3	4
4	Carbon Nanotube Based Metal-Organic Framework Hybrids From Fundamentals Toward Applications (Small 4/2022). Small, 2022, 18, .	5.2	0
5	Hierarchical porous metal-organic framework materials for efficient oil-water separation. Journal of Materials Chemistry A, 2022, 10, 2751-2785.	5.2	48
6	Fast and selective reduction of nitroarenes under visible light with an earth-abundant plasmonic photocatalyst. Nature Nanotechnology, 2022, 17, 485-492.	15.6	78
7	Photocatalytic Synthesis of Oxidized Graphite Enabled by Grey TiO <sub>2</sub> and Direct Formation of a Visible-Light-Active Titania/Graphene Oxide Nanocomposite. ChemPhotoChem, 2022, 6, .	1.5	6
8	Graphene Acid for Lithium-Ion Batteries Carboxylation Boosts Storage Capacity in Graphene. Advanced Energy Materials, 2022, 12, .	10.2	25
9	Silica-supported Fe/Fe <sub>3</sub> O <sub>4</sub> nanoparticles for the catalytic hydrogenation of nitriles to amines in the presence of aluminium additives. Nature Catalysis, 2022, 5, 20-29.	16.1	65
10	Defect engineering over anisotropic brookite toward substrate-specific photo-oxidation of alcohols. Chem Catalysis, 2022, 2, 1177-1190.	2.9	15
11	Pd doped carbon nitride (Pd-g-C <sub>3</sub> N <sub>4</sub> ): an efficient photocatalyst for hydrogenation via an Al-H <sub>2</sub> O system and an electrocatalyst towards overall water splitting. Green Chemistry, 2022, 24, 5535-5546.	4.6	18
12	Developing Benign Ni/g-C <sub>3</sub> N <sub>4</sub> Catalysts for CO <sub>2</sub> Hydrogenation: Activity and Toxicity Study. Industrial & Engineering Chemistry Research, 2022, 61, 10496-10510.	1.8	7
13	Graphene Nanobeacons with High Affinity Pockets for Combined, Selective, and Effective Decontamination and Reagentless Detection of Heavy Metals. Small, 2022, 18, .	5.2	6
14	Controlling phase fraction and crystal orientation via thermal oxidation of iron foils for enhanced photoelectrochemical performance. Catalysis Today, 2021, 361, 117-123.	2.2	4
15	The Existence of a N-H...C Dative Bond in the C <sub>60</sub> -Piperidine Complex. Angewandte Chemie, 2021, 133, 1970-1978.	1.6	4
16	The Existence of a N-H...C Dative Bond in the C <sub>60</sub> -Piperidine Complex. Angewandte Chemie - International Edition, 2021, 60, 1942-1950.	7.2	15
17	Advanced Cr(VI) sorption properties of activated carbon produced via pyrolysis of the Posidonia oceanica seagrass. Journal of Hazardous Materials, 2021, 405, 124274.	6.5	54
18	Covalent Graphene-MOF Hybrids for High-Performance Asymmetric Supercapacitors. Advanced Materials, 2021, 33, e2004560.	11.1	121

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19	Elucidating the role of surface states of BiVO <sub>4</sub> with Mo doping and a CoOOH co-catalyst for photoelectrochemical water splitting. <i>Journal of Power Sources</i> , 2021, 483, 229080.	4.0	46
20	Steric and Electronic Effects of Phosphane Additives on the Catalytic Performance of Colloidal Palladium Nanoparticles in the Semi- $\alpha$ -Hydrogenation of Alkynes. <i>ChemCatChem</i> , 2021, 13, 227-234.	1.8	11
21	Carboxylated Graphene for Radical-Assisted Ultra-Trace-Level Water Treatment and Noble Metal Recovery. <i>ACS Nano</i> , 2021, 15, 3349-3358.	7.3	25
22	Structure-directed formation of the dative/covalent bonds in complexes with C <sub>70</sub> -piperidine. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4365-4375.	1.3	9
23	<i>In situ</i> coating amorphous boride on ternary pyrite-type boron sulfide for highly efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12283-12290.	5.2	8
24	Nanometallurgy in solution: organometallic synthesis of intermetallic Pd-Ga colloids and their activity in semi-hydrogenation catalysis. <i>Nanoscale</i> , 2021, 13, 15038-15047.	2.8	1
25	Silver nanomaterials: synthesis and (electro/photo) catalytic applications. <i>Chemical Society Reviews</i> , 2021, 50, 11293-11380.	18.7	79
26	Asymmetric Supercapacitors: Covalent Graphene-MOF Hybrids for High-Performance Asymmetric Supercapacitors ( <i>Adv. Mater.</i> 4/2021). <i>Advanced Materials</i> , 2021, 33, 2170028.	11.1	8
27	Single-Atom Catalysts: A Sustainable Pathway for the Advanced Catalytic Applications. <i>Small</i> , 2021, 17, e2006473.	5.2	135
28	Single Co-Atoms as Electrocatalysts for Efficient Hydrazine Oxidation Reaction. <i>Small</i> , 2021, 17, e2006477.	5.2	40
29	Carbon Nitride-Based Ruthenium Single Atom Photocatalyst for CO <sub>2</sub> Reduction to Methanol. <i>Small</i> , 2021, 17, e2006478.	5.2	124
30	Carbon Dots Detect Water-to-Ice Phase Transition and Act as Alcohol Sensors <i>via</i> Fluorescence Turn-Off/On Mechanism. <i>ACS Nano</i> , 2021, 15, 6582-6593.	7.3	34
31	Spatially Confined Formation of Single Atoms in Highly Porous Carbon Nitride Nanoreactors. <i>ACS Nano</i> , 2021, 15, 7790-7798.	7.3	33
32	Covalently Interlinked Graphene Sheets with Sulfur-Chains Enable Superior Lithium-Sulfur Battery Cathodes at Full-Mass Level. <i>Advanced Functional Materials</i> , 2021, 31, 2101326.	7.8	27
33	Advanced Photocatalysts: Pinning Single Atom Co-Catalysts on Titania Nanotubes. <i>Advanced Functional Materials</i> , 2021, 31, 2102843.	7.8	44
34	Solar steam generation on scalable ultrathin thermoplasmonic TiN nanocavity arrays. <i>Nano Energy</i> , 2021, 83, 105828.	8.2	56
35	Ultrafine TiO <sub>2</sub> Nanoparticle Supported Nitrogen-Rich Graphitic Porous Carbon as an Efficient Anode Material for Potassium-Ion Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100042.	2.8	8
36	Silver Covalently Bound to Cyanographene Overcomes Bacterial Resistance to Silver Nanoparticles and Antibiotics. <i>Advanced Science</i> , 2021, 8, 2003090.	5.6	27

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37	Condensed Clustered Iron Oxides for Ultrahigh Photothermal Conversion and In Vivo Multimodal Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29247-29256.	4.0	13
38	Nanoscale Assembly of BiVO <sub>4</sub> /CdS/CoO <sub>x</sub> Core-Shell Heterojunction for Enhanced Photoelectrochemical Water Splitting. <i>Catalysts</i> , 2021, 11, 682.	1.6	7
39	An Earth-Abundant Ni-Based Single-Atom Catalyst for Selective Photodegradation of Pollutants. <i>Solar Rrl</i> , 2021, 5, 2100176.	3.1	39
40	Transparent and Low-Loss Luminescent Solar Concentrators Based on Self-Trapped Exciton Emission in Lead-Free Double Perovskite Nanocrystals. <i>ACS Applied Energy Materials</i> , 2021, 4, 6445-6453.	2.5	27
41	Addition Reaction between Piperidine and C <sub>60</sub> to Form 1,4-Disubstituted C <sub>60</sub> Proceeds through van der Waals and Dative Bond Complexes: Theoretical and Experimental Study. <i>Journal of the American Chemical Society</i> , 2021, 143, 10930-10939.	6.6	6
42	Toxicity of Carbon Nanomaterials—Towards Reliable Viability Assessment via New Approach in Flow Cytometry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7750.	1.8	6
43	Convenient and Reusable Manganese-Based Nanocatalyst for Amination of Alcohols. <i>ChemCatChem</i> , 2021, 13, 4334-4341.	1.8	14
44	Graphene with Covalently Grafted Amino Acid as a Route Toward Eco-Friendly and Sustainable Supercapacitors. <i>ChemSusChem</i> , 2021, 14, 3904-3914.	3.6	18
45	Enhanced On-Site Hydrogen Peroxide Electrosynthesis by a Selectively Carboxylated N-Doped Graphene Catalyst. <i>ChemCatChem</i> , 2021, 13, 4372-4383.	1.8	15
46	Uncovering the Role of Trioctylphosphine on Colloidal and Emission Stability of Sb-Alloyed Cs <sub>2</sub> Nal <sub>6</sub> Double Perovskite Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47845-47859.	4.0	24
47	Environmental implications of one-century COPRs evolution in a single industrial site: From leaching impact to sustainable remediation of CrVI polluted groundwater. <i>Chemosphere</i> , 2021, 283, 131211.	4.2	5
48	A multifunctional covalently linked graphene-MOF hybrid as an effective chemiresistive gas sensor. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17434-17441.	5.2	26
49	Two-dimensional MOF-based liquid marbles: surface energy calculations and efficient oil-water separation using a ZIF-9-III@PVDF membrane. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23651-23659.	5.2	20
50	The Hallmarks of Copper Single Atom Catalysts in Direct Alcohol Fuel Cells and Electrochemical CO <sub>2</sub> Fixation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001822.	1.9	43
51	Single-Atom (Iron-Based) Catalysts: Synthesis and Applications. <i>Chemical Reviews</i> , 2021, 121, 13620-13697.	23.0	136
52	Enhancing Photoelectrochemical Energy Storage by Large-Area CdS-Coated Nickel Nanoantenna Arrays. <i>ACS Applied Energy Materials</i> , 2021, 4, 11367-11376.	2.5	10
53	Emerging MXene@Metal-Organic Framework Hybrids: Design Strategies toward Versatile Applications. <i>ACS Nano</i> , 2021, 15, 18742-18776.	7.3	81
54	Rational Design of Graphene Derivatives for Electrochemical Reduction of Nitrogen to Ammonia. <i>ACS Nano</i> , 2021, 15, 17275-17298.	7.3	48

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55	Reusable Co-nanoparticles for general and selective <i>N</i> -alkylation of amines and ammonia with alcohols. <i>Chemical Science</i> , 2021, 13, 111-117.	3.7	35
56	Biotechnological applications of nanostructured hybrids of polyamine carbon quantum dots and iron oxide nanoparticles. <i>Amino Acids</i> , 2020, 52, 301-311.	1.2	9
57	Recent development of covalent organic frameworks (COFs): synthesis and catalytic (organic-electro-photo) applications. <i>Materials Horizons</i> , 2020, 7, 411-454.	6.4	291
58	Fe(0)-embedded thermally reduced graphene oxide as efficient nanocatalyst for reduction of nitro compounds to amines. <i>Chemical Engineering Journal</i> , 2020, 382, 122469.	6.6	54
59	Carbon-Based Single-Atom Catalysts for Advanced Applications. <i>ACS Catalysis</i> , 2020, 10, 2231-2259.	5.5	426
60	Tracing of iron nanoparticles using an elemental signatures approach: laboratory and field-scale verification. <i>Environmental Science: Nano</i> , 2020, 7, 623-633.	2.2	3
61	Influence of Ti <sup>3+</sup> defect-type on heterogeneous photocatalytic H <sub>2</sub> evolution activity of TiO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , 2020, 8, 1432-1442.	5.2	89
62	Immobilized Enzymes on Graphene as Nanobiocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 250-259.	4.0	56
63	FeO-based nanostructures and nanohybrids for photoelectrochemical water splitting. <i>Progress in Materials Science</i> , 2020, 110, 100632.	16.0	47
64	Pinning ultrasmall greigite nanoparticles on graphene for effective transition-metal-sulfide supercapacitors in an ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25716-25726.	5.2	14
65	High-performance hydrogen evolution electrocatalysis using proton-intercalated TiO <sub>2</sub> nanotube arrays as interactive supports for Ir nanoparticles. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22773-22790.	5.2	29
66	Nitrogen-Doped Graphene Aerogel for Simultaneous Detection of Dopamine and Ascorbic Acid in Artificial Cerebrospinal Fluid. <i>Journal of the Electrochemical Society</i> , 2020, 167, 116521.	1.3	12
67	Hierarchical Porous Graphene-Iron Carbide Hybrid Derived From Functionalized Graphene-Based Metal-Organic Gel as Efficient Electrochemical Dopamine Sensor. <i>Frontiers in Chemistry</i> , 2020, 8, 544.	1.8	6
68	The environmental fate of graphene oxide in aquatic environment—Complete mitigation of its acute toxicity to planktonic and benthic crustaceans by algae. <i>Journal of Hazardous Materials</i> , 2020, 399, 123027.	6.5	22
69	N- and Fe-doped Carbon Nitride Nanocatalysts for Photocatalytic CO <sub>2</sub> Reduction and Thermocatalytic Furanics Synthesis from Sugars. <i>ChemSusChem</i> , 2020, 13, 5231-5238.	3.6	52
70	MHP@MOF Hybrids: Metal Halide Perovskite@Metal-Organic Framework Hybrids: Synthesis, Design, Properties, and Applications (Small 47/2020). <i>Small</i> , 2020, 16, 2070258.	5.2	1
71	Colloidal maghemite nanoparticles with oxyhydroxide-like interface and chiroptical properties. <i>Applied Surface Science</i> , 2020, 534, 147567.	3.1	9
72	Human virus detection with graphene-based materials. <i>Biosensors and Bioelectronics</i> , 2020, 166, 112436.	5.3	140

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73	Dual-Function HKUST-1: Templating and Catalyzing Formation of Graphitic Carbon Nitride Quantum Dots Under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21499-21504.	7.2	22
74	Dual-Function HKUST-1: Templating and Catalyzing Formation of Graphitic Carbon Nitride Quantum Dots Under Mild Conditions. <i>Angewandte Chemie</i> , 2020, 132, 21683-21688.	1.6	6
75	Pressure-Modulated Broadband Emission in 2D Layered Hybrid Perovskite-Like Bromoplumbate. <i>Inorganic Chemistry</i> , 2020, 59, 12431-12436.	1.9	9
76	Nanoporous Activated Carbon Derived via Pyrolysis Process of Spent Coffee: Structural Characterization. Investigation of Its Use for Hexavalent Chromium Removal. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8812.	1.3	15
77	Peptide nucleic acid stabilized perovskite nanoparticles for nucleic acid sensing. <i>Materials Today Chemistry</i> , 2020, 17, 100272.	1.7	5
78	Nano-immobilized flumequine with preserved antibacterial efficacy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 111019.	2.5	4
79	Smart synthetic maghemite nanoparticles with unique surface properties encode binding specificity toward As(III). <i>Science of the Total Environment</i> , 2020, 741, 140175.	3.9	8
80	Molybdenum-promoted cobalt supported on SBA-15: Steam and sulfur dioxide stable catalyst for CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119248.	10.8	26
81	Purple-emissive carbon dots enhance sensitivity of Si photodetectors to ultraviolet range. <i>Nanoscale</i> , 2020, 12, 8379-8384.	2.8	36
82	Determining Plasmonic Hot Electrons and Photothermal Effects during H <sub>2</sub> Evolution with TiN@Pt Nanohybrids. <i>ACS Catalysis</i> , 2020, 10, 5261-5271.	5.5	118
83	Multi-Leg TiO <sub>2</sub> Nanotube Photoelectrodes Modified by Platinized Cyanographene with Enhanced Photoelectrochemical Performance. <i>Catalysts</i> , 2020, 10, 717.	1.6	9
84	Core-Shell Fe/FeS Nanoparticles with Controlled Shell Thickness for Enhanced Trichloroethylene Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35424-35434.	4.0	53
85	Enhancing Magnetic Cooperativity in Fe(II) Triazole-based Spin-Crossover Nanoparticles by Pluronic Matrix Confinement. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2637-2641.	1.7	2
86	N-Graphitic Modified Cobalt Nanoparticles Supported on Graphene for Tandem Dehydrogenation of Ammonia-Borane and Semihydrogenation of Alkynes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11058-11068.	3.2	20
87	An Operando X-ray Absorption Spectroscopy Study of a NiCu@TiO <sub>2</sub> Photocatalyst for H <sub>2</sub> Evolution. <i>ACS Catalysis</i> , 2020, 10, 8293-8302.	5.5	46
88	Atomic-Scale Charge Distribution Mapping of Single Substitutional p- and n-Type Dopants in Graphene. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3437-3444.	3.2	13
89	Ultra-small cobalt nanoparticles from molecularly-defined Co-salen complexes for catalytic synthesis of amines. <i>Chemical Science</i> , 2020, 11, 2973-2981.	3.7	43
90	Light- and temperature-assisted spin state annealing: accessing the hidden multistability. <i>Chemical Science</i> , 2020, 11, 3281-3289.	3.7	33

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91	On the Controlled Loading of Single Platinum Atoms as a Co-Catalyst on TiO <sub>2</sub> Anatase for Optimized Photocatalytic H <sub>2</sub> Generation. <i>Advanced Materials</i> , 2020, 32, e1908505.	11.1	189
92	A carbon dot-based tandem luminescent solar concentrator. <i>Nanoscale</i> , 2020, 12, 6664-6672.	2.8	75
93	Sustainable Synthesis of Nanoscale Zerovalent Iron Particles for Environmental Remediation. <i>ChemSusChem</i> , 2020, 13, 3288-3305.	3.6	42
94	Graphitic Carbon Nitride-Nickel Catalyst: From Material Characterization to Efficient Ethanol Electrooxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7244-7255.	3.2	38
95	Solar Thermoplasmonic Nanofurnace for High-Temperature Heterogeneous Catalysis. <i>Nano Letters</i> , 2020, 20, 3663-3672.	4.5	49
96	Tailoring topological order and $\pi$ -conjugation to engineer quasi-metallic polymers. <i>Nature Nanotechnology</i> , 2020, 15, 437-443.	15.6	95
97	Mechanochemical synthesis of Cu <sub>2</sub> S bonded 2D-sulfonated organic polymers: continuous production of dimethyl carbonate (DMC) via preheating of reactants. <i>Green Chemistry</i> , 2020, 22, 5619-5627.	4.6	13
98	Crystal Structure and Morphology-Driven Electrochemistry of Iron Oxide Nanoparticles in Hydrogen Peroxide Detection. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801549.	1.9	10
99	Cyanographene and Graphene Acid: The Functional Group of Graphene Derivative Determines the Application in Electrochemical Sensing and Capacitors. <i>ChemElectroChem</i> , 2019, 6, 229-234.	1.7	27
100	Generation and Stabilization of Small Platinum Clusters Pt <sub>12</sub> Inside a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 13962-13969.	6.6	47
101	Intrinsic photoluminescence of amine-functionalized graphene derivatives for bioimaging applications. <i>Applied Materials Today</i> , 2019, 17, 112-122.	2.3	25
102	Microwave Energy Drives On-Off-Spin-Switch Behavior in Nitrogen-Doped Graphene. <i>Advanced Materials</i> , 2019, 31, e1902587.	11.1	15
103	Metal-Organic Frameworks: Hydrophobic Metal-Organic Frameworks ( <i>Adv. Mater.</i> 32/2019). <i>Advanced Materials</i> , 2019, 31, 1970230.	11.1	40
104	H <sub>2</sub> O <sub>2</sub> Tolerance in <i>Pseudomonas Fluorescens</i> : Synergy between Pyoverdine-Iron(III) Complex and a Blue Extracellular Product Revealed by a Nanotechnology-Based Electrochemical Approach. <i>ChemElectroChem</i> , 2019, 6, 5186-5190.	1.7	3
105	Providing significantly enhanced photocatalytic H <sub>2</sub> generation using porous PtPdAg alloy nanoparticles on spaced TiO <sub>2</sub> nanotubes. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22962-22971.	3.8	27
106	Shape-Assisted 2D MOF/Graphene Derived Hybrids as Exceptional Lithium-Ion Battery Electrodes. <i>Advanced Functional Materials</i> , 2019, 29, 1902539.	7.8	118
107	Toxicity of graphene oxide against algae and cyanobacteria: Nanoblade-morphology-induced mechanical injury and self-protection mechanism. <i>Carbon</i> , 2019, 155, 386-396.	5.4	65
108	H <sub>2</sub> O <sub>2</sub> Tolerance in <i>Pseudomonas Fluorescens</i> : Synergy between Pyoverdine-Iron(III) Complex and a Blue Extracellular Product Revealed by a Nanotechnology-Based Electrochemical Approach. <i>ChemElectroChem</i> , 2019, 6, 5166-5166.	1.7	0

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109	Amorphous Mo <sup>5+</sup> -Ta Oxide Nanotubes for Long-Term Stable Mo Oxide-Based Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 45665-45673.	4.0	14
110	Photocatalytic H <sub>2</sub> Evolution: Dealloying as Efficient Tool for the Fabrication of Rh <sup>0</sup> -decorated TiO <sub>2</sub> Nanotubes. ChemCatChem, 2019, 11, 6258-6262.	1.8	12
111	Densely Functionalized Cyanographene Bypasses Aqueous Electrolytes and Synthetic Limitations Toward Seamless Graphene/FeOOH Hybrids for Supercapacitors. Advanced Functional Materials, 2019, 29, 1906998.	7.8	20
112	Spin Crossover in Iron(II) Porphyrine Induced by Noncovalent Interactions Combined with Hybridization of Iron(II) Porphyrine and Ligand's Orbitals: CASPT2, CCSD(T), and DFT Studies. Journal of Physical Chemistry C, 2019, 123, 23186-23194.	1.5	5
113	Spin-Crossover Phenomenon in Microcrystals and Nanoparticles of a [Fe(2-mpz) <sub>2</sub> Ni(CN) <sub>4</sub> ] Two-Dimensional Hofmann-Type Polymer: A Detailed Nano-Topographic Study. Inorganic Chemistry, 2019, 58, 13733-13736.	1.9	18
114	Large Enhancement of the Nonlinear Optical Response of Fluorographene by Chemical Functionalization: The Case of Diethyl-amino-fluorographene. Journal of Physical Chemistry C, 2019, 123, 25856-25862.	1.5	12
115	Bimodal role of fluorine atoms in fluorographene chemistry opens a simple way toward double functionalization of graphene. Carbon, 2019, 145, 251-258.	5.4	12
116	Polypyrrole and Carbon Nanotube Co-composited Titania Anodes with Enhanced Sodium Storage Performance in Ether-based Electrolyte. Advanced Sustainable Systems, 2019, 3, 1800154.	2.7	5
117	Stealth Iron Oxide Nanoparticles for Organotropic Drug Targeting. Biomacromolecules, 2019, 20, 1375-1384.	2.6	28
118	Nanoscale Zerovalent Iron Particles for Treatment of Metalloids. , 2019, , 157-199.		5
119	Alkynylation of graphene <i>via</i> the Sonogashira C-C cross-coupling reaction on fluorographene. Chemical Communications, 2019, 55, 1088-1091.	2.2	23
120	Carbon dots for <i>in vivo</i> fluorescence imaging of adipose tissue-derived mesenchymal stromal cells. Carbon, 2019, 152, 434-443.	5.4	49
121	Chemical Tuning of Specific Capacitance in Functionalized Fluorographene. Chemistry of Materials, 2019, 31, 4698-4709.	3.2	32
122	Hydrophobic Metal-Organic Frameworks. Advanced Materials, 2019, 31, e1900820.	11.1	138
123	Biologically safe colloidal suspensions of naked iron oxide nanoparticles for <i>in situ</i> antibiotic suppression. Colloids and Surfaces B: Biointerfaces, 2019, 181, 102-111.	2.5	10
124	On-Surface Synthesis of Gold Porphyrin Derivatives via a Cascade of Chemical Interactions: Planarization, Self-Metalation, and Intermolecular Coupling. Chemistry of Materials, 2019, 31, 3248-3256.	3.2	37
125	Single-Atom Catalysis: Mixed-Valence Single-Atom Catalyst Derived from Functionalized Graphene (Adv.) Tj ETOq1 1 0.784314 ngB	11.1	8
126	Self-assembly of chlorin-e6 on <sup>56</sup> Fe-Fe <sub>2</sub> O <sub>3</sub> nanoparticles: Application for larvicidal activity against Aedes aegypti. Journal of Photochemistry and Photobiology B: Biology, 2019, 194, 21-31.	1.7	20



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127	Metal-Organic Framework (MOF) Derived Electrodes with Robust and Fast Lithium Storage for Li-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2019, 29, 1900532.	7.8	141
128	Thiophene-Modified Fluorographene Derivatives for Nonlinear Optical Applications. <i>ChemPlusChem</i> , 2019, 84, 1288-1298.	1.3	14
129	Fe <sub>2</sub> O <sub>3</sub> Blocking Layer Produced by Cyclic Voltammetry Leads to Improved Photoelectrochemical Performance of Hematite Nanorods. <i>Surfaces</i> , 2019, 2, 131-144.	1.0	10
130	Plasmon-Enhanced Photoelectrochemical Water Splitting for Efficient Renewable Energy Storage. <i>Advanced Materials</i> , 2019, 31, e1805513.	11.1	159
131	Conductive Cu-Doped TiO <sub>2</sub> Nanotubes for Enhanced Photoelectrochemical Methanol Oxidation and Concomitant Hydrogen Generation. <i>ChemElectroChem</i> , 2019, 6, 1244-1249.	1.7	17
132	Mixed-Valence Single-Atom Catalyst Derived from Functionalized Graphene. <i>Advanced Materials</i> , 2019, 31, e1900323.	11.1	129
133	Radiative and Non-Radiative Recombination Pathways in Mixed-Phase TiO <sub>2</sub> Nanotubes for PEC Water-Splitting. <i>Catalysts</i> , 2019, 9, 204.	1.6	38
134	On-Surface Synthesis of Ethynylene-Bridged Anthracene Polymers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6559-6563.	7.2	44
135	Electric-field enhanced reactivity and migration of iron nanoparticles with implications for groundwater treatment technologies: Proof of concept. <i>Water Research</i> , 2019, 154, 361-369.	5.3	21
136	Selective Functionalization Blended with Scaffold Conductivity in Graphene Acid Promotes H <sub>2</sub> O <sub>2</sub> Electrochemical Sensing. <i>ACS Omega</i> , 2019, 4, 19944-19952.	1.6	14
137	Thermally reduced fluorographenes as efficient electrode materials for supercapacitors. <i>Nanoscale</i> , 2019, 11, 21364-21375.	2.8	15
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