

Guangsheng Pang

List of Publications by Year in descending order

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87
papers

2,442
citations

257450

24
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223800

46
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88
all docs

88
docs citations

88
times ranked

4026
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow Metal-Organic Framework Micro/Nanostructures and their Derivatives: Emerging Multifunctional Materials. <i>Advanced Materials</i> , 2019, 31, e1803291.	21.0	210
2	A facile route for nitrogen-doped hollow graphitic carbon spheres with superior performance in supercapacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 13464.	6.7	202
3	Observation of Body-Centered Cubic Gold Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9826-9829.	13.8	147
4	Controlling the Particle Size of Calcined SnO ₂ Nanocrystals. <i>Nano Letters</i> , 2001, 1, 723-726.	9.1	135
5	Fast response and highly selective sensing of amine vapors using a luminescent coordination polymer. <i>Chemical Communications</i> , 2014, 50, 10506-10509.	4.1	119
6	Tuning the Aggregation/Disaggregation Behavior of Graphene Quantum Dots by Structure-Switching Aptamer for High-Sensitivity Fluorescent Ochratoxin A Sensor. <i>Analytical Chemistry</i> , 2017, 89, 1704-1709.	6.5	113
7	Rational design of NiFe LDH@Ni ₃ N nano/microsheet arrays as a bifunctional electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17202-17211.	10.3	89
8	Hexagonal mesocrystals formed by ultra-thin tungsten oxide nanowires and their electrochemical behaviour. <i>Chemical Communications</i> , 2010, 46, 7718.	4.1	65
9	High-performance gas sensing achieved by mesoporous tungsten oxide mesocrystals with increased oxygen vacancies. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8653.	10.3	60
10	Magnetic photocatalysts with a p-n junction: Fe ₃ O ₄ nanoparticle and FeWO ₄ nanowire heterostructures. <i>Nanoscale</i> , 2014, 6, 12366-12370.	5.6	60
11	Hydrothermal synthesis of one-dimensional zinc oxides with different precursors. <i>Nanotechnology</i> , 2006, 17, 206-212.	2.6	57
12	Ni _x Fe _y N@C microsheet arrays on Ni foam as an efficient and durable electrocatalyst for electrolytic splitting of alkaline seawater. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13562-13569.	10.3	54
13	PVDF-Modified TiO ₂ Nanowires Membrane with Underliquid Dual Superlyophobic Property for Switchable Separation of Oil-Water Emulsions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40925-40936.	8.0	51
14	Palladium-Catalyzed α -Ketone Arylation under Mild Conditions. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1570-1574.	2.4	47
15	High adsorption capacity for dye removal by CuZn hydroxyl double salts. <i>Environmental Science: Nano</i> , 2014, 1, 172-180.	4.3	46
16	Hydrothermal Synthesis of a CaNb ₂ O ₆ Hierarchical Micro/Nanostructure and Its Enhanced Photocatalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1275-1282.	2.0	37
17	Efficient synthesis of quinazoline-2,4(1H,3H)-diones from CO ₂ catalyzed by N-heterocyclic carbene at atmospheric pressure. <i>RSC Advances</i> , 2015, 5, 5032-5037.	3.6	35
18	Photothermal Conversion of W ₁₈ O ₄₉ with a Tunable Oxidation State. <i>ChemistryOpen</i> , 2017, 6, 261-265.	1.9	34

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19	Simple, efficient and reusable Pd–NHC catalysts for hydroamination. <i>RSC Advances</i> , 2013, 3, 18359.	3.6	30
20	Highly efficient aqueous-processed polymer/nanocrystal hybrid solar cells with an aqueous-processed TiO ₂ electron extraction layer. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11738-11746.	10.3	26
21	Synthesis of Oxazolidinones and Derivatives through Three-Component Fixation of Carbon Dioxide. <i>ChemCatChem</i> , 2018, 10, 3057-3068.	3.7	26
22	High-flux and high rejection TiO ₂ nanofibers ultrafiltration membrane with porous titanium as supporter. <i>Separation and Purification Technology</i> , 2020, 248, 117000.	7.9	26
23	Toward understanding the growth mechanism of Au _n (SR) _m nanoclusters: effect of solvent on cluster size. <i>RSC Advances</i> , 2013, 3, 9778.	3.6	25
24	Preparation of Cu ₂ O Hollow Nanospheres under Reflux Conditions. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3841-3844.	2.0	24
25	Synthesis of ultrasmall platinum nanoparticles and structural relaxation. <i>Journal of Colloid and Interface Science</i> , 2014, 423, 123-128.	9.4	24
26	Effective, transition metal free and selective C–F activation under mild conditions. <i>RSC Advances</i> , 2015, 5, 7035-7048.	3.6	23
27	Construction of Plasmonic Core–Satellite Nanostructures on Substrates Based on DNA-Directed Self-Assembly as a Sensitive and Reproducible Biosensor. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27131-27139.	8.0	23
28	Synthesis of reduced cubic phase WO ₃ nanosheet by direct reduction of H ₂ WO ₄ ·H ₂ O. <i>Materials Today Energy</i> , 2017, 6, 146-153.	4.7	23
29	Hydrothermal Synthesis, Characterization, and Ionic Conductivity of Vanadium-Stabilized Bi _{1.7} V ₃ O ₁₃ with Fluorite-Related Superlattice Structure. <i>Chemistry of Materials</i> , 1998, 10, 2446-2449.	6.7	21
30	Preparation of ZnO Nanowires in a Neutral Aqueous System: Concentration Effect on the Orientation Attachment Process. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3818-3822.	2.0	21
31	Stainless steel mesh supported TiO ₂ nanowires membrane with ultra-high flux for separation of oil-in-water mixtures and emulsions. <i>Surface and Coatings Technology</i> , 2019, 375, 518-526.	4.8	21
32	Fabrication of Two-Dimensional ZnO Nanostructures from Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17213-17220.	3.1	20
33	Synthesis and Characterization of N-Doped Porous TiO ₂ Hollow Spheres and Their Photocatalytic and Optical Properties. <i>Materials</i> , 2016, 9, 849.	2.9	20
34	Chitosan modified inorganic nanowires membranes for ultra-fast and efficient removal of Congo red. <i>Applied Surface Science</i> , 2021, 569, 150970.	6.1	20
35	Synergistic effect of the reducing ability and hydrogen bonds of tested gases: highly orientational CdS dendrite sensors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1032-1038.	10.3	19
36	Synthesis, Structure, and Reactivity of Dicarbene Dipalladium Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 575-581.	1.2	18

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37	Sn-Doped defect pyrochlore oxide $\text{KNbWO}_6 \cdot \text{H}_2\text{O}$ microcrystals and their photocatalytic reduction of CO_2 . <i>New Journal of Chemistry</i> , 2018, 42, 5753-5758.	2.8	18
38	An RAPET approach to in situ synthesis of carbon modified $\text{Li}_4\text{Ti}_5\text{O}_{12}$ anode nanocrystals with improved conductivity. <i>New Journal of Chemistry</i> , 2014, 38, 616-623.	2.8	17
39	Interfacial engineering of metal-organic frameworks/graphene oxide composite membrane by polyethyleneimine for efficient H_2/CH_4 gas separation. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2043-2049.	6.0	17
40	Phase transition of BiVO_4 nanoparticles in molten salt and the enhancement of visible-light photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2010, 12, 3069-3075.	1.9	16
41	Solvothermal synthesis of the defect pyrochlore $\text{KNbWO}_6 \cdot \text{H}_2\text{O}$ and its application in Pb^{2+} removal. <i>RSC Advances</i> , 2014, 4, 14357.	3.6	16
42	MoS_2/CuS nanosheets coated on brass mesh with switchable superwettability for efficient immiscible organic solvent/water separation. <i>Applied Surface Science</i> , 2021, 570, 151128.	6.1	16
43	Cheap Cu(I) /Hexamethylenetetramine (HMTA) Catalytic System for C-N Coupling Reactions. <i>Synthetic Communications</i> , 2012, 42, 279-284.	2.1	15
44	Synthesis of blue anatase TiO_2 nanoplates with {001} facets and in situ noble metal anchoring. <i>Dyes and Pigments</i> , 2016, 129, 191-198.	3.7	15
45	Synthesis of fluorinated carbazoles via C-H arylation catalyzed by Pd/Cu bimetal system and their antibacterial activities. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1376-1383.	3.0	15
46	A degradation column for organic dyes based on a composite of CuFeS_2 nanocrystals and sawdust. <i>Journal of Materials Science</i> , 2016, 51, 5412-5420.	3.7	15
47	Three oxidation states and atomic-scale p-d junctions in manganese perovskite oxide from hydrothermal systems. <i>Journal of Materials Science</i> , 2008, 43, 2131-2137.	3.7	14
48	The influence of annealing atmosphere on the optical properties of flower-like ZnO . <i>Crystal Research and Technology</i> , 2007, 42, 1068-1072.	1.3	13
49	Fabrication and magnetic property of $\gamma\text{-Fe}_2\text{O}_3$ nanoparticles/ TiO_2 nanowires hybrid structure. <i>Materials Letters</i> , 2010, 64, 1704-1706.	2.6	13
50	Preparation of magnetically separable mesoporous Co@carbon/silica composites by the RAPET method. <i>New Journal of Chemistry</i> , 2012, 36, 2308.	2.8	13
51	The luminescence of ion-exchangeable defect pyrochlore $\text{KNbWO}_6 \cdot \text{H}_2\text{O}:\text{xEu}^{3+}$. <i>RSC Advances</i> , 2014, 4, 24142-24146.	3.6	13
52	Hydrothermal synthesis and magnetic properties of CuSb_2O_6 nanoparticles and nanorods. <i>Journal of Nanoparticle Research</i> , 2007, 9, 605-610.	1.9	12
53	Porous TiO_2 Assembled from Monodispersed Nanoparticles. <i>Nanoscale Research Letters</i> , 2016, 11, 159.	5.7	12
54	Green Synthesis of Alkane Bridged Bisimidazolium Salts Under Solvent-Free Conditions. <i>Synthetic Communications</i> , 2012, 42, 380-387.	2.1	11

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55	CeO ₂ -Modified CuFe ₂ O ₄ with Enhanced Oxygen Transfer as Efficient Catalysts for Selective Oxidation of Fluorene under Mild Conditions. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 91-97.	2.0	11
56	Fabrication of underliquid dual superlyophobic membrane via anchoring polyethersulfone nanoparticles on Zn-Ni-Co layered double hydroxide (LDH) nanowires with stainless steel mesh as supporter. <i>Separation and Purification Technology</i> , 2022, 294, 121148.	7.9	11
57	A Highly Robust Terbium Coordination Polymer as a Multiresponsive Luminescent Sensor for Detecting Pollutant Anions. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3994-3998.	2.0	10
58	ZnO microrods with etched surface prepared by two-step hydrothermal reaction. <i>Journal of Materials Science</i> , 2008, 43, 2149-2152.	3.7	9
59	Hydrothermal synthesis and phase stability of CoNb ₂ O ₆ with a rutile structure. <i>Materials Letters</i> , 2011, 65, 2880-2882.	2.6	9
60	The regioselective Larock indole synthesis catalyzed by NHC-palladium complexes. <i>RSC Advances</i> , 2013, 3, 18345.	3.6	9
61	A Flexible, Self-Floating Composite for Efficient Water Evaporation. <i>Global Challenges</i> , 2019, 3, 1800085.	3.6	9
62	Preparation and magnetic properties of Fe ₃ +Nb ⁵⁺ co-doped SnO ₂ . <i>Journal of Solid State Chemistry</i> , 2008, 181, 217-220.	2.9	8
63	Synthesis and Catalytic Properties of a Heterocyclic Carbene Complex of Palladium. <i>Journal of Chemical Research</i> , 2011, 35, 161-162.	1.3	8
64	Ammonium Ion Intercalated Tungsten Oxide Nanorods with High Photothermal Conversion Efficiency and Low Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 245-249.	2.0	8
65	Synthesis of Novel Chiral Unsymmetrical Imidazolium Bromides. <i>Journal of Chemical Research</i> , 2011, 35, 608-610.	1.3	7
66	Coupling NiFe-MOF nanosheets with Ni ₃ N microsheet arrays for efficient electrocatalytic water oxidation. <i>New Journal of Chemistry</i> , 2021, 45, 19646-19650.	2.8	7
67	Efficient Synthesis of Alkane-Bridged N,N-TM-Diaryl Bisimidazolium Chlorides under Solvent-Free Conditions. <i>Journal of Chemical Research</i> , 2011, 35, 320-322.	1.3	6
68	Palladium/N-Heterocyclic Carbene Catalyzed Mono- and Double-Cyanation of Aryl Halides Using Potassium Ferrocyanide Trihydrate under Aerobic Conditions. <i>Synthesis</i> , 2015, 47, 1560-1566.	2.3	6
69	Palladium complexes with picolyl functionalized N-heterocyclic carbene ligands and their application in the Mizoroki-Heck reaction. <i>Transition Metal Chemistry</i> , 2013, 38, 351-358.	1.4	5
70	How the Substitution Faraway from NHCs Affects the Structural Features and Catalytic Activity of Dicarbene Dipalladium Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 444-450.	1.2	5
71	Two new supramolecular hybrids based on bi-capped Keggin {PMo ₁₂ V ₂ O ₄₂ } clusters and transition metal mixed-organic-ligand complexes. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 179-186.	2.6	5
72	One step preparation of highly dispersed TiO ₂ nanoparticles. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 688-692.	2.6	5

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73	Solvothermal synthesis of magnetic Fe ₃ O ₄ nanospheres and their efficiency in photo-Fenton degradation of xylenol orange. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 648-654.	2.6	5
74	Synthesis and characterization of a series of chiral NHC-Pd complexes derived from l-phenylalanine. <i>Transition Metal Chemistry</i> , 2013, 38, 367-375.	1.4	4
75	Synthesis of Xylylene-Bridged Dipalladium Complexes with Imidazole and Triazole-Based Di-N-Heterocyclic Carbene (NHC) Ligands. <i>Journal of Chemical Research</i> , 2016, 40, 735-739.	1.3	4
76	Synthesis of N-aryl-2-oxazolidinones from cyclic carbonates and aromatic amines catalyzed by bio-catalyst. <i>Research on Chemical Intermediates</i> , 2018, 44, 2179-2194.	2.7	4
77	Solvent-Free Synthesis of Some Triazole-Based Bis(N-Heterocyclic Carbene) Ligands. <i>Journal of Chemical Research</i> , 2011, 35, 686-688.	1.3	3
78	Synthesis and Catalytic Activity of Chiral Linker-Bridged Bis-N-Heterocyclic Carbene Dipalladium Complexes. <i>Journal of Chemical Research</i> , 2018, 42, 320-325.	1.3	3
79	Heterostructure Ag@WO ₃ Composites with High Selectivity for Breaking Azo-bond. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 517-522.	2.6	3
80	First-principles study of luminescence properties of the Eu-doped defect pyrochlore oxide $\text{KNbWO}_6\text{H}_2\text{O}$. <i>Physical Review B</i> , 2020, 102, .	3.2	3
81	Efficient Synthesis of Novel Chiral Bisimidazolium Dichlorides under Solvent-Free Conditions. <i>Journal of Chemical Research</i> , 2011, 35, 471-473.	1.3	2
82	Synthesis, structure and catalytic activity of xylylene-bridged dipalladium complexes with triazolylidene ligands. <i>Transition Metal Chemistry</i> , 2017, 42, 193-201.	1.4	2
83	Synthesis of novel NHC-pyrrole-NHC C-N-C Pincer proligands. <i>Heterocyclic Communications</i> , 2012, 18, 165-167.	1.2	1
84	Facile Preparation of Chitosan-modified Mesoporous Titanium Dioxide Film on Fused-silica Capillary for Selective Enrichment of Phosphopeptides. <i>ChemNanoMat</i> , 2022, 8, .	2.8	1
85	Synthesis and structure of a novel tridentate chiral-NHC ligand precursor. <i>Heterocyclic Communications</i> , 2011, 17, .	1.2	0
86	Synthesis and Catalytic Activity of Chiral Dicarbene Dipalladium Complexes Incorporating the S-binaphthol Unit. <i>Journal of Chemical Research</i> , 2018, 42, 54-56.	1.3	0
87	Preparation of Core-Shell Structured Magnetic Superhydrophilic Extractant for Enrichment of Phosphopeptides. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0