

Gang-Gang Chang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69

papers

3,052

citations

25

h-index

54

g-index

81

ext. papers

3,754

ext. citations

8.5

avg, IF

5.53

L-index

#	Paper	IF	Citations
69	A Zeolite-confined Pd/Acid Sites for High Efficiency of B ₂ H ₆ Cleavage. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1603-1606	1.3	0
68	Ultralong PtPd Alloyed Nanowires Anchored on Graphene for Efficient Methanol Oxidation Reaction. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1130-1137	4.5	7
67	Highly Dispersed Pt Nanoparticles Embedded in N-Doped Porous Carbon for Efficient Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1878-1881	4.5	4
66	Confined Thermolysis for Oriented N-Doped Carbon Supported Pd toward Stable Catalytic and Energy Storage Applications. <i>Small</i> , 2021 , 17, e2002811	11	4
65	Template-free synthesis to micro-meso-macroporous hierarchy in nanostructured MIL-101(Cr) with enhanced catalytic activity. <i>Science China Materials</i> , 2021 , 64, 252-258	7.1	6
64	Hierarchically Fractal PtPdCu Sponges and their Directed Mass- and Electron-Transfer Effects. <i>Nano Letters</i> , 2021 , 21, 7870-7878	11.5	10
63	Tuning the Intrinsic Activity and Electrochemical Surface Area of MoS ₂ via Tiny Zn Doping: Toward an Efficient Hydrogen Evolution Reaction (HER) Catalyst. <i>Chemistry - A European Journal</i> , 2021 , 27, 15992-15999	4.8	6
62	Titanium Vacancies in TiO ₂ Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021 , 27, 14202-14208	4.8	3
61	Multifunctional Pd/MOFs@MOFs Confined Core-Shell Catalysts with Wrinkled Surface for Selective Catalysis. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 3743-3747	4.5	2
60	Titanium Vacancies in TiO ₂ Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021 , 27, 14142	4.8	
59	A hierarchically multifunctional integrated catalyst with intimate and synergistic active sites for one-pot tandem catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 3463-3472	6.8	4
58	PtPd hollow nanocubes with enhanced alloy effect and active facets for efficient methanol oxidation reaction. <i>Chemical Communications</i> , 2021 , 57, 986-989	5.8	14
57	Nickel nanoparticles supported on a covalent triazine framework as electrocatalyst for oxygen evolution reaction and oxygen reduction reactions. <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 770-781	7.3	5
56	Cobalt-Based MOF-Derived CoP/Hierarchical Porous Carbon (HPC) Composites as Robust Catalyst for Efficient Dehydrogenation of Ammonia-Borane. <i>ChemistrySelect</i> , 2020 , 5, 2190-2196	1.8	6
55	Construction of a functionalized hierarchical pore metal-organic framework via a palladium-reduction induced strategy. <i>Nanoscale</i> , 2020 , 12, 6250-6255	7.7	6
54	Interfacial co-existence of oxygen and titanium vacancies in nanostructured TiO ₂ for enhancement of carrier transport. <i>Nanoscale</i> , 2020 , 12, 8364-8370	7.7	18
53	Spatially Ordered Arrangement of Multifunctional Sites at Molecule Level in a Single Catalyst for Tandem Synthesis of Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2020 , 59, 1736-1745	5.1	17

52	All-around coating of CoNi nanoalloy using a hierarchically porous carbon derived from bimetallic MOFs for highly efficient hydrolytic dehydrogenation of ammonia-borane. <i>New Journal of Chemistry</i> , 2020 , 44, 3021-3027	3.6	9
51	Spatial Heterojunction in Nanostructured TiO and Its Cascade Effect for Efficient Photocatalysis. <i>Nano Letters</i> , 2020 , 20, 3122-3129	11.5	38
50	Spatial acid-base-Pd triple-sites of a hierarchical core-shell structure for three-step tandem reaction. <i>Chemical Communications</i> , 2020 , 56, 6297-6300	5.8	12
49	Hollow MOF capsule encapsulated amino-functionalized ionic liquid for excellent CO ₂ catalytic conversion. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 40, 124-124	3.2	1
48	Integrated-Trifunctional Single Catalyst with Fine Spatial Distribution via Stepwise Anchored Strategy for Multistep Autotandem Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 966-976	8.3	7
47	Nitrogen precursor-mediated construction of N-doped hierarchically porous carbon-supported Pd catalysts with controllable morphology and composition. <i>Carbon</i> , 2020 , 159, 451-460	10.4	25
46	Hydrophilic Pd/MgO Nanosystem for the Highly Efficient Aqueous-Phase Catalysis of Suzuki-Miyaura Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 81-87	3.9	3
45	One-pot synthesis of hierarchical CdS/MoS ₂ /rGO with enhanced (photo)electrocatalytic activities. <i>Chemical Physics Letters</i> , 2020 , 759, 138047	2.5	5
44	Synthesis and Kinetics of the -(2-Methyl-6-ethyl phenyl)-1-methoxypropyl-2-imine Schiff Base Catalyzed by NKC-9 Cation Exchange Resin. <i>ACS Omega</i> , 2019 , 4, 14750-14758	3.9	0
43	Highly dispersed PtPd on graphitic nanofibers and its heavy d-effect. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118080	21.8	20
42	Synergistic catalysis of Pd nanoparticles with both Lewis and Bronsted acid sites encapsulated within a sulfonated metal-organic frameworks toward one-pot tandem reactions. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 207-215	9.3	16
41	Synthesis of hydrophobic and hydrophilic TiO nanofluids for transformable surface wettability and photoactive coating. <i>Chemical Communications</i> , 2019 , 55, 9275-9278	5.8	10
40	Hydrogen Evolution Enhancement over a Cobalt-Based Schottky Interface. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27641-27647	9.5	16
39	Silica coating with well-defined micro-nano hierarchy for universal and stable surface superhydrophobicity. <i>Chemical Physics Letters</i> , 2019 , 730, 594-599	2.5	5
38	Confinement Effects in Zeolite-Confined Noble Metals. <i>Angewandte Chemie</i> , 2019 , 131, 12468-12482	3.6	32
37	Bimetallic (Zn/Co) MOFs-Derived Highly Dispersed Metallic Co/HPC for Completely Hydrolytic Dehydrogenation of Ammonia Borane. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 7209-7216	3.9	27
36	Confinement Effects in Zeolite-Confined Noble Metals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12340-12354	16.4	82
35	Construction of Hierarchical Metal-Organic Frameworks by Competitive Coordination Strategy for Highly Efficient CO Conversion. <i>Advanced Materials</i> , 2019 , 31, e1904969	24	67

34	Highly Efficient Heterogeneous Catalytic Reduction of Fe(II)EDTA-NO in Industrial Denitrification Solution over Pd/AC Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22875-22883	3.9	5
33	bFGF and Poly-RGD Cooperatively Establish Biointerface for Stem Cell Adhesion, Proliferation, and Differentiation. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1700702	4.6	8
32	Hierarchically porous graphene for batteries and supercapacitors. <i>New Journal of Chemistry</i> , 2018 , 42, 5634-5655	3.6	20
31	Hierarchical MoS ₂ @TiO ₂ Heterojunctions for Enhanced Photocatalytic Performance and Electrocatalytic Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1609-1615	4.5	33
30	Control of the Interfacial Wettability to Synthesize Highly Dispersed PtPd Nanocrystals for Efficient Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1119-1123	4.5	9
29	Highly efficient and selective removal of N-heterocyclic aromatic contaminants from liquid fuels in a Ag(I) functionalized metal-organic framework: Contribution of multiple interaction sites. <i>Journal of Colloid and Interface Science</i> , 2018 , 518, 149-155	9.3	13
28	Hierarchical CdS/m-TiO ₂ /G ternary photocatalyst for highly active visible light-induced hydrogen production from water splitting with high stability. <i>Nano Energy</i> , 2018 , 47, 8-17	17.1	103
27	Graphene Oxide Coating Enhances Adsorption of Lead Ions on Mesoporous SiO ₂ Spheres. <i>Chemistry Letters</i> , 2018 , 47, 210-212	1.7	6
26	Single cells in nanoshells for the functionalization of living cells. <i>Nanoscale</i> , 2018 , 10, 3112-3129	7.7	45
25	Fine Tuning and Specific Binding Sites with a Porous Hydrogen-Bonded Metal-Complex Framework for Gas Selective Separations. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4596-4603	16.4	115
24	Hierarchically Dual-Mesoporous TiO ₂ Microspheres for Enhanced Photocatalytic Properties and Lithium Storage. <i>Chemistry - A European Journal</i> , 2018 , 24, 13246-13252	4.8	14
23	Shape-Controlled Surface-Coating to Pd@Mesoporous Silica Core-Shell Nanocatalysts with High Catalytic Activity and Stability. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 31-34	4.5	10
22	Homojunction of Oxygen and Titanium Vacancies and its Interfacial n-p Effect. <i>Advanced Materials</i> , 2018 , 30, e1802173	24	86
21	Highly Enhanced Gas Uptake and Selectivity via Incorporating Methoxy Groups into a Microporous Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2017 , 17, 2172-2177	3.5	21
20	A microporous hydrogen-bonded organic framework with amine sites for selective recognition of small molecules. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8292-8296	13	50
19	Hierarchically porous materials: synthesis strategies and structure design. <i>Chemical Society Reviews</i> , 2017 , 46, 481-558	58.5	784
18	Nitrogen-doped hollow porous carbon polyhedrons embedded with highly dispersed Pt nanoparticles as a highly efficient and stable hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2017 , 40, 88-94	17.1	96
17	Potential of microporous metal-organic frameworks for separation of hydrocarbon mixtures. <i>Energy and Environmental Science</i> , 2016 , 9, 3612-3641	35.4	428

16	A Three-Dimensional Tetraphenylbenzene-Based Metal-Organic Framework for Selective Gas Separation and Luminescence Sensing of Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4470-4475	2.3	19
15	Control of interpenetration in a microporous metal-organic framework for significantly enhanced C ₂ H ₂ /CO ₂ separation at room temperature. <i>Chemical Communications</i> , 2016 , 52, 3494-6	5.8	71
14	Catalytic dehydration of glucose to 5-hydroxymethylfurfural with a bifunctional metal-organic framework. <i>AIChE Journal</i> , 2016 , 62, 4403-4417	3.6	75
13	High viscosity to highly dispersed PtPd bimetallic nanocrystals for enhanced catalytic activity and stability. <i>Chemical Communications</i> , 2016 , 52, 8219-22	5.8	25
12	A Fluorinated Metal-Organic Framework for High Methane Storage at Room Temperature. <i>Crystal Growth and Design</i> , 2016 , 16, 3395-3399	3.5	28
11	A microporous metal-organic framework with polarized trifluoromethyl groups for high methane storage. <i>Chemical Communications</i> , 2015 , 51, 14789-92	5.8	35
10	Insight into the catalytic properties and applications of metal-organic frameworks in the cyanosilylation of aldehydes. <i>RSC Advances</i> , 2015 , 5, 79355-79360	3.7	50
9	"Self-repairing" nanoshell for cell protection. <i>Chemical Science</i> , 2015 , 6, 486-491	9.4	46
8	Immobilization of Ag(i) into a metal-organic framework with -SO ₃ H sites for highly selective olefin-paraffin separation at room temperature. <i>Chemical Communications</i> , 2015 , 51, 2859-62	5.8	136
7	Fabrication of cuprous nanoparticles in MIL-101: an efficient adsorbent for the separation of olefin-paraffin mixtures. <i>RSC Advances</i> , 2014 , 4, 20230-20233	3.7	68
6	One particle@one cell: Highly monodispersed PtPd bimetallic nanoparticles for enhanced oxygen reduction reaction. <i>Nano Energy</i> , 2014 , 8, 214-222	17.1	55
5	Adsorption of 2-Butyl-2-ethyl-1,3-propanediol from Aqueous Solutions on Activated Carbon: Salt-Out Effect on Equilibrium, Kinetics, and Dynamics. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8592-8598	3.9	9
4	Salt-enhanced removal of 2-ethyl-1-hexanol from aqueous solutions by adsorption on activated carbon. <i>Journal of Colloid and Interface Science</i> , 2013 , 412, 7-12	9.3	11
3	One-Pot Synthesis of Catalytically Stable and Active Nanoreactors: Encapsulation of Size-Controlled Nanoparticles within a Hierarchically Macroporous Core@Ordered Mesoporous Shell System. <i>Advanced Materials</i> , 2009 , 21, 1368-1372	24	72
2	Confinement Effects in Individual Carbon Encapsulated Nonprecious Metal-Based Electrocatalysts. <i>Advanced Functional Materials</i> , 2110851	15.6	5
1	A facile synthesis of hierarchically porous graphene for high-performance lithium storage. <i>New Journal of Chemistry</i> ,	3.6	