Wei David Wang

List of Publications by Year in Descending Order

33 papers	1,734 citations	17 h-index	34 g-index
34 ext. papers	2,141 ext. citations	9.1 avg, IF	4.63 L-index

#	Paper	IF	Citations
33	Zr(OH)4-Catalyzed Controllable Selective Oxidation of Anilines to Azoxybenzenes, Azobenzenes and Nitrosobenzenes. *Angewandte Chemie*, **2022**, 134, e202112907	3.6	0
32	Lead fixation by spider web-like porphyrin polymer for stable and clean perovskite solar cells. *Chemical Engineering Journal*, **2022**, 429, 132405	14.7	5
31	Facile preparation of ultrafine Pd nanoparticles anchored on covalent triazine frameworks catalysts for efficient N-alkylation. *Journal of Colloid and Interface Science*, **2022**, 606, 1340-1351	9.3	1
30	Zr(OH) -Catalyzed Controllable Selective Oxidation of Anilines to Azoxybenzenes, Azobenzenes and Nitrosobenzenes. *Angewandte Chemie - International Edition*, **2021**,	16.4	5
29	Grain Boundary Engineering with Self-Assembled Porphyrin Supramolecules for Highly Efficient Large-Area Perovskite Photovoltaics. *Journal of the American Chemical Society*, **2021**, 143, 18989-18996	16.4	13
28	A TEMPO-Functionalized Ordered Mesoporous Polymer as a Highly Active and Reusable Organocatalyst. *Chemistry - an Asian Journal*, **2021**, 16, 3689-3694	4.5	1
27	Cooperation of hierarchical pores with strong Br□sted acid sites on SAPO-34 catalysts for the glycerol dehydration to acrolein. *Journal of Catalysis*, **2020**, 389, 166-175	7.3	12
26	Ultrafine Pd Nanoparticles Modified on Azine-Linked Covalent Organic Polymers for Efficient Catalytic Suzuki□Miyaura Coupling Reaction. *Industrial & Engineering Chemistry Research*, **2020**, 59, 12677-12685	3.9	14
25	Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. *Angewandte Chemie - International Edition*, **2020**, 59, 17991-17995	16.4	25
24	Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. *Angewandte Chemie*, **2020**, 132, 18147-18151	3.6	31
23	Palladium Nanoclusters Confined in MOF@COP as a Novel Nanoreactor for Catalytic Hydrogenation. *ACS Applied Materials & Interfaces*, **2020**, 12, 7285-7294	9.5	40
22	Tuning Hierarchical ZSM-5 Zeolite for Both Gas- and Liquid-Phase Biorefining. *ACS Catalysis*, **2020**, 10, 1185-1194	13.1	16
21	A new NMR crystallographic approach to reveal the calcium local structure of atorvastatin calcium. *Physical Chemistry Chemical Physics*, **2019**, 21, 6319-6326	3.6	11
20	Mechanistic Insights on the Direct Conversion of Methane into Methanol over Cu/Na□ZSM-5 Zeolite: Evidence from EPR and Solid-State NMR. *ACS Catalysis*, **2019**, 9, 8677-8681	13.1	17
19	Ultrafine palladium nanoparticles confined in core-shell magnetic porous organic polymer nanospheres as highly efficient hydrogenation catalyst. *Journal of Colloid and Interface Science*, **2019**, 554, 157-165	9.3	22
18	Ru nanoclusters confined in porous organic cages for catalytic hydrolysis of ammonia borane and tandem hydrogenation reaction. *Nanoscale*, **2019**, 11, 21513-21521	7.7	32
17	PdCo nanoparticles supported on carbon fibers derived from cotton: Maximum utilization of Pd atoms for efficient reduction of nitroarenes. *Journal of Colloid and Interface Science*, **2018**, 524, 84-92	9.3	18

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16	Immobilization of Pt nanoparticles in hollow mesoporous silica nanocapsules: An aggregation- and leaching-resistant catalyst. *Journal of Colloid and Interface Science*, **2018**, 516, 407-415	9.3	16
15	Application of Solid-State NMR to Reveal Structural Differences in Cefazolin Sodium Pentahydrate From Different Manufacturing Processes. *Frontiers in Chemistry*, **2018**, 6, 113	5	4
14	Exploring Applications of Covalent Organic Frameworks: Homogeneous Reticulation of Radicals for Dynamic Nuclear Polarization. *Journal of the American Chemical Society*, **2018**, 140, 6969-6977	16.4	41
13	Single-crystal x-ray diffraction structures of covalent organic frameworks. *Science*, **2018**, 361, 48-52	33.3	521
12	Multifunctional microporous organic polymers. *Journal of Materials Chemistry A*, **2014**, 2, 11930	13	116
11	A new Cu□ysteamine complex: structure and optical properties. *Journal of Materials Chemistry C*, **2014**, 2, 4239-4246	7.1	50
10	Wobbling and Hopping: Studying Dynamics of CO2 Adsorbed in Metal-Organic Frameworks via (17)O Solid-State NMR. *Journal of Physical Chemistry Letters*, **2014**, 5, 3360-5	6.4	64
9	Mechanistic insight into the formation of acetic acid from the direct conversion of methane and carbon dioxide on zinc-modified H-ZSM-5 zeolite. *Journal of the American Chemical Society*, **2013**, 135, 13567-73	16.4	114
8	Mesostructure-controlled synthesis of chiral norbornane-bridged periodic mesoporous organosilicas. *RSC Advances*, **2012**, 2, 2010	3.7	11
7	Solid-state NMR studies of form I of atorvastatin calcium. *Journal of Physical Chemistry B*, **2012**, 116, 3641-9	3.4	36
6	Characterization of partially reduced graphene oxide as room temperature sensor for H2. *Nanoscale*, **2011**, 3, 2458-60	7.7	68
5	Mono dispersed SnO2 nanoparticles on both sides of single layer graphene sheets as anode materials in Li-ion batteries. *Journal of Materials Chemistry*, **2010**, 20, 5462		338
4	A Parallel Solid-State NMR and Sensor Property Study on Flower-like Nanostructured SnO2. *Journal of Physical Chemistry C*, **2010**, 114, 22671-22676	3.8	34
3	Influence of structure on the spectroscopic properties of the polymorphs of piroxicam. *Journal of Physical Chemistry B*, **2010**, 114, 16641-9	3.4	21
2	Reactivity of C1 surface species formed in methane activation on Zn-modified H-ZSM-5 zeolite. *Chemistry - A European Journal*, **2010**, 16, 14016-25	4.8	58
1	Measurement of the principal values of the chemical-shift tensors of overlapping protonated and unprotonated carbons with the 2D-SUPER technique and dipolar dephasing (DD-SUPER). *Journal of Magnetic Resonance*, **2010**, 206, 177-81	3	5