

# Hua Tan

## List of Publications by Year in descending order

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35  
papers

1,153  
citations

394286

19  
h-index

377752

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon molecular sieve gas separation membranes based on an intrinsically microporous polyimide precursor. <i>Carbon</i> , 2013, 62, 88-96.	5.4	138
2	Metal-Organic Framework Enhances Aggregation-Induced Fluorescence of Chlortetracycline and the Application for Detection. <i>Analytical Chemistry</i> , 2019, 91, 5913-5921.	3.2	130
3	Fluorescence Enhancement, Blinking Suppression, and Gray States of Individual Semiconductor Nanocrystals Close to Gold Nanoparticles. <i>Nano Letters</i> , 2010, 10, 4166-4174.	4.5	113
4	Formation of Ag <sub>2</sub> Se Nanotubes and Dendrite-like Structures from UV Irradiation of a CSe <sub>2</sub> /Ag Colloidal Solution. <i>Langmuir</i> , 2006, 22, 9712-9717.	1.6	80
5	Design and structure of nitrogen and oxygen co-doped carbon spheres with wrinkled nanocages as active material for supercapacitor application. <i>Nano Energy</i> , 2021, 90, 106540.	8.2	71
6	All-inorganic perovskite quantum dots CsPbX <sub>3</sub> (Br/I) for highly sensitive and selective detection of explosive picric acid. <i>Chemical Engineering Journal</i> , 2020, 379, 122360.	6.6	61
7	Shape- and Morphology-Controlled Sustainable Synthesis of Cu, Co, and In Metal Organic Frameworks with High CO <sub>2</sub> Capture Capacity. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 66-74.	3.2	54
8	Laser-based synthesis of core Ag-shell AgI nanoparticles. <i>Chemical Physics Letters</i> , 2005, 406, 289-293.	1.2	37
9	One-pot synthesis Of Cu/ZnO/ZnAl <sub>2</sub> O <sub>4</sub> catalysts and their catalytic performance in glycerol hydrogenolysis. <i>Catalysis Science and Technology</i> , 2013, 3, 3360.	2.1	37
10	ATRA-like alkylation-oxidation of alkenes with trichloromethyl derivatives by the combination of <i>t</i> -BuOOH and NEt <sub>3</sub> . <i>Organic Chemistry Frontiers</i> , 2018, 5, 3143-3147.	2.3	37
11	Core-Shell and Hollow Nanocrystal Formation via Small Molecule Surface Photodissociation; Ag@Ag <sub>2</sub> Se as an Example. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15812-15816.	1.2	36
12	Self-Organization of Spherical, Core-Shell Palladium Aggregates by Laser-Induced and Thermal Decomposition of [Pd(PPh <sub>3</sub> ) <sub>4</sub> ]. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1120-1123.	7.2	31
13	Size- and Shape-Controlled Synthesis of Hexagonal Bipyramidal Crystals and Hollow Self-Assembled Al-MOF Spheres. <i>ChemSusChem</i> , 2014, 7, 529-535.	3.6	30
14	Selective oxidation of glycerol to tartronic acid over Pt/N-doped mesoporous carbon with extra framework magnesium catalysts under base-free conditions. <i>Chemical Communications</i> , 2019, 55, 2620-2623.	2.2	27
15	Direct Functionalization of the Hydroxyl Group of the 6-Mercapto-1-hexanol (MCH) Ligand Attached to Gold Nanoclusters. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21690-21693.	1.2	24
16	A Method to Access Symmetrical Tetrasubstituted Pyridines via Iodine and Ammonium Persulfate Mediated [2+2+1+1]-Cycloaddition Reaction. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1594-1598.	2.1	23
17	Production of biofuel intermediates from furfural via aldol condensation over K <sub>2</sub> O clusters containing N-doped porous carbon materials with shape selectivity. <i>Microporous and Mesoporous Materials</i> , 2019, 281, 101-109.	2.2	20
18	A simple route to water-soluble size-tunable monodispersed Pd nanoparticles from light decomposition of Pd(PPh <sub>3</sub> ) <sub>4</sub> . <i>Chemical Physics Letters</i> , 2006, 428, 352-355.	1.2	19

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19	Selective Oxidation of Glycerol to Glyceric Acid in Base-Free Aqueous Solution at Room Temperature Catalyzed by Platinum Supported on Carbon Activated with Potassium Hydroxide. <i>ChemCatChem</i> , 2016, 8, 1699-1707.	1.8	19
20	12- <sup>1</sup> DMSO- <sup>1</sup> H <sub>2</sub> O: A Metal-Free Combination System for the Oxidative Addition of Alkynes to Access (E)-1-iodo-1-methylsulfonylalkenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 15662-15668.	1.7	17
21	Synthesis of Ru nanoparticles confined in magnesium oxide-modified mesoporous alumina and their enhanced catalytic performance during ammonia decomposition. <i>Catalysis Communications</i> , 2012, 26, 248-252.	1.6	16
22	High Performance Infrared Plasmonic Metamaterial Absorbers and Their Applications to Thin-film Sensing. <i>Plasmonics</i> , 2016, 11, 1557-1563.	1.8	16
23	Laboratory injection molder for the fabrication of polymeric porous poly-epsilon-caprolactone scaffolds for preliminary mesenchymal stem cells tissue engineering applications. <i>Microelectronic Engineering</i> , 2017, 175, 12-16.	1.1	16
24	Highly Selective Synthesis of 2- <i>tert</i> -Butoxy-1-Arylethanones via Copper(I)-Catalyzed Oxidation/ <i>tert</i> -Butoxylation of Aryl Olefins with TBHP. <i>Journal of Organic Chemistry</i> , 2020, 85, 3929-3935.	1.7	15
25	Nitrogen doped carbon spheres with wrinkled cages for the selective oxidation of 5-hydroxymethylfurfural to 5-formyl-2-furancarboxylic acid. <i>Chemical Communications</i> , 2021, 57, 2005-2008.	2.2	14
26	Transferring Complementary Target DNA from Aqueous Solutions onto Solid Surfaces by Using Affinity Microcontact Printing. <i>Langmuir</i> , 2007, 23, 8607-8613.	1.6	12
27	Preparation of 1,2-Oxazetidines from Styrenes and Arylamines via a Peroxide-Mediated [2 + 1 + 1] Cycloaddition Reaction. <i>Organic Letters</i> , 2017, 19, 5830-5832.	2.4	10
28	Selective oxidation of glycerol to dihydroxyacetone over N-doped porous carbon stabilized Cu <sub>x</sub> O supported Au catalysts. <i>Molecular Catalysis</i> , 2020, 498, 111243.	1.0	9
29	Superoxide anion turns on the fluorescence of carbon dots-ferric complex for sensing. <i>Microchemical Journal</i> , 2021, 168, 106412.	2.3	8
30	Preparation and Characterization of Cr(CO) <sub>4</sub> dpp (Chromium Tetracarbonyl 2,3-Bis(2-pyridyl)pyrazine) Adsorbed on Silver Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19657-19663.	1.2	7
31	Facile preparation of N-doped graphitic carbon encapsulated nickel catalysts for transfer hydrogenolysis of lignin 1 <sup>2</sup> -O-4 model compounds to aromatics. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2745-2754.	2.5	7
32	Synthesis of 1-sulfonyloxyketones via iodobenzene diacetate (PIDA)-mediated oxysulfonyloxylation of alkynes with sulfonic acids. <i>RSC Advances</i> , 2017, 7, 54017-54020.	1.7	3
33	A new 3D Ag( <sup>1</sup> )-based high-energy metal organic frameworks (HE-MOFs): synthesis, crystal structure and explosive performance. <i>New Journal of Chemistry</i> , 2021, 45, 3552-3558.	1.4	3
34	Optical spectroscopy of single semiconductor nanocrystals close to gold nanoparticles. , 2012, , .		1
35	Effect of SiO <sub>2</sub> @PEGMA Composites on Mechanical Properties of Oil Well Cement. <i>ACS Omega</i> , 2022, 7, 24012-24019.	1.6	0