Yuyang Tian

List of Publications by Year in descending order

48 papers	2,859 citations	201575 27 h-index	197736 49 g-index
52 all docs	52 docs citations	52 times ranked	3152 citing authors

#	Article	IF	Citations
1	Porous Aromatic Frameworks (PAFs). Chemical Reviews, 2020, 120, 8934-8986.	23.0	389
2	Highly Efficient Enrichment of Volatile Iodine by Charged Porous Aromatic Frameworks with Three Sorption Sites. Angewandte Chemie - International Edition, 2015, 54, 12733-12737.	7.2	327
3	Uniform and stable immobilization of metal-organic frameworks into chitosan matrix for enhanced tetracycline removal from water. Chemical Engineering Journal, 2020, 382, 122893.	6.6	258
4	A Crystalline Polyimide Porous Organic Framework for Selective Adsorption of Acetylene over Ethylene. Journal of the American Chemical Society, 2018, 140, 15724-15730.	6.6	207
5	Construction of Thermophilic Lipase-Embedded Metalâ€“Organic Frameworks via Biomimetic Mineralization: A Biocatalyst for Ester Hydrolysis and Kinetic Resolution. ACS Applied Materials & Interfaces, 2016, 8, 24517-24524.	4.0	197
6	Dual luminescent covalent organic frameworks for nitro-explosive detection. Journal of Materials Chemistry A, 2019, 7, 27148-27155.	5.2	108
7	An electrospun fiber based metalâ€“organic framework composite membrane for fast, continuous, and simultaneous removal of insoluble and soluble contaminants from water. Journal of Materials Chemistry A, 2019, 7, 22559-22570.	5.2	89
8	Pore-size dominated electrochemical properties of covalent triazine frameworks as anode materials for K-ion batteries. Chemical Science, 2019, 10, 7695-7701.	3.7	84
9	Fluorescein-based fluorescent porous aromatic framework for Fe³⁺ detection with high sensitivity. Journal of Materials Chemistry C, 2019, 7, 2327-2332.	2.7	75
10	Efficient Gold Recovery from E-Waste via a Chelate-Containing Porous Aromatic Framework. ACS Applied Materials & Interfaces, 2020, 12, 30474-30482.	4.0	69
11	Construction of Porous Aromatic Frameworks with Exceptional Porosity via Building Unit Engineering. Advanced Materials, 2018, 30, e1804169.	11.1	66
12	Synergic Catalysts of Polyoxometalate@Cationic Porous Aromatic Frameworks: Reciprocal Modulation of Both Capture and Conversion Materials. Advanced Materials, 2019, 31, e1902444.	11.1	65
13	Synthesis of a SAPO-34 membrane on macroporous supports for high permeance separation of a CO2/CH4 mixture. Journal of Materials Chemistry, 2009, 19, 7698.	6.7	63
14	Porous Aromatic Framework Modified Electrospun Fiber Membrane as a Highly Efficient and Reusable Adsorbent for Pharmaceuticals and Personal Care Products Removal. ACS Applied Materials & Interfaces, 2019, 11, 16662-16673.	4.0	59
15	Stable metalâ€“organic framework fixing within zeolite beads for effectively static and continuous flow degradation of tetracycline by peroxymonosulfate activation. Chemical Engineering Journal, 2022, 435, 134916.	6.6	49
16	Understanding the desulphurization process in an ionic porous aromatic framework. Chemical Science, 2019, 10, 606-613.	3.7	47
17	Porous Aromatic Framework with Tailored Binding Sites and Pore Sizes as a Highâ€Performance Hemoperfusion Adsorbent for Bilirubin Removal. Advanced Science, 2020, 7, 2001899.	5.6	47
18	Polarity engineering of porous aromatic frameworks for specific water contaminant capture. Journal of Materials Chemistry A, 2019, 7, 2507-2512.	5.2	45

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19	Coupling fullerene into porous aromatic frameworks for gas selective sorption. Chemical Science, 2016, 7, 3751-3756.	3.7	42
20	PAF-1@cellulose nanofibril composite aerogel for highly-efficient removal of bisphenol A. Journal of Materials Chemistry A, 2019, 7, 157-164.	5.2	41
21	Targeted synthesis of microâ€“mesoporous hybrid material derived from octaphenylsilsesquioxane building units. Microporous and Mesoporous Materials, 2013, 165, 92-98.	2.2	40
22	Anion Substitution in Porous Aromatic Frameworks: Boosting Molecular Permeability and Selectivity for Membrane Acetylene Separation. Advanced Materials, 2020, 32, e1907449.	11.1	34
23	Porous Cationic Electrospun Fibers with Sufficient Adsorption Sites for Effective and Continuous ⁹⁹TcO₄^{â^'} Uptake. Advanced Functional Materials, 2022, 32, .	7.8	34
24	Coumarin-embedded MOF UiO-66 as a selective and sensitive fluorescent sensor for the recognition and detection of Fe³⁺ ions. Journal of Materials Chemistry C, 2021, 9, 16978-16984.	2.7	32
25	Syntheses and characterizations of two curcumin-based cocrystals. Inorganic Chemistry Communication, 2015, 55, 92-95.	1.8	29
26	Size, Shape, and Porosity Control of Medi-MOF-1 via Growth Modulation under Microwave Heating. Crystal Growth and Design, 2019, 19, 889-895.	1.4	29
27	Facile synthesis of ZIF-8 nanocrystals in eutectic mixture. CrystEngComm, 2012, 14, 8365.	1.3	25
28	Task-specific design of a hierarchical porous aromatic framework as an ultrastable platform for large-sized catalytic active site binding. Chemical Communications, 2018, 54, 1603-1606.	2.2	25
29	A carbazole-grafted covalent organic framework as turn-on fluorescence chemosensor for recognition and detection of Pb2+ ions with high selectivity and sensitivity. Journal of Materials Science, 2021, 56, 11789-11800.	1.7	25
30	The fabrication of IMo₆@iPAF-1 as an enzyme mimic in heterogeneous catalysis for oxidative desulfurization under O₂ or air. Journal of Materials Chemistry A, 2020, 8, 9813-9824.	5.2	23
31	Fabrication of triazine-based Porous Aromatic Framework (PAF) membrane with structural flexibility for gas mixtures separation. Journal of Industrial and Engineering Chemistry, 2018, 67, 373-379.	2.9	21
32	Continuous Porous Aromatic Framework Membranes with Modifiable Sites for Optimized Gas Separation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	19
33	Ionic Liquid assisted Synthesis of Zeoliteâ€TON. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1177-1181.	0.6	15
34	Synthesis and structural characterization of a single-crystal to single-crystal transformable coordination polymer. Dalton Transactions, 2014, 43, 1519-1523.	1.6	15
35	Two flexible cationic metal-organic frameworks with remarkable stability for CO2/CH4 separation. Nano Research, 2021, 14, 3288-3293.	5.8	15
36	A mineralized cell-based functional platform: construction of yeast cells with biogenetic intracellular hydroxyapatite nanoscaffolds. Nanoscale, 2018, 10, 3489-3496.	2.8	14

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37	Fine-tuned mesoporous covalent organic frameworks for highly efficient low molecular-weight proteins separation. Nano Research, 2022, 15, 4569-4574.	5.8	12
38	Highly selective reduction of nitroarenes with gold nano-catalysts immobilized in porous aromatic frameworks. Microporous and Mesoporous Materials, 2020, 306, 110393.	2.2	11
39	Hydroxyl porous aromatic frameworks for efficient adsorption of organic micropollutants in water. RSC Advances, 2020, 10, 26335-26341.	1.7	10
40	High energy and insensitive explosives based on energetic porous aromatic frameworks. Nano Research, 2022, 15, 1698-1705.	5.8	9
41	Turning Electronic Waste to Continuous-Flow Reactor Using Porous Aromatic Frameworks. ACS Applied Materials & Interfaces, 2022, 14, 25601-25608.	4.0	7
42	Targeted Syntheses of Charged Porous Aromatic Frameworks for Iodine Enrichment and Release. Acta Chimica Sinica, 2016, 74, 67.	0.5	6
43	Facile synthesis of porphyrin-based PAF membrane for hydrogen purification. Inorganic Chemistry Communication, 2022, 141, 109526.	1.8	4
44	Frustrated Lewis pairs in situ formation in B-based porous aromatic frameworks for efficient o-phenylenediamine cyclization. Chinese Chemical Letters, 2023, 34, 107559.	4.8	3
45	Au Nanoparticles Supported by Porous Aromatic Frameworksâ€"Efficient and Recyclable Catalysts for Nitro Reduction. Catalysts, 2022, 12, 588.	1.6	2
46	Unusual design strategy for a stable and soluble high-molecular-weight copper(<scp>i</scp>) arylacetylide polymer. Chemical Communications, 2021, 57, 12004-12007.	2.2	1
47	Continuous Porous Aromatic Framework Membranes with Modifiable Sites for Optimized Gas Separation. Angewandte Chemie, 0, , .	1.6	1
48	Innentitelbild: Continuous Porous Aromatic Framework Membranes with Modifiable Sites for Optimized Gas Separation (Angew. Chem. 1/2022). Angewandte Chemie, 2022, 134, .	1.6	0