

# Catherine M Aitchison

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7869156/publications.pdf>

Version: 2024-02-01

20  
papers

1,568  
citations

643344

15  
h-index

799663

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugated nanomaterials for solar fuel production. <i>Nanoscale</i> , 2021, 13, 634-646.	2.8	21
2	Impact of Chemical Structure on the Dynamics of Mass Transfer of Water in Conjugated Microporous Polymers: A Neutron Spectroscopy Study. <i>ACS Applied Polymer Materials</i> , 2021, 3, 765-776.	2.0	5
3	Probing Dynamics of Water Mass Transfer in Organic Porous Photocatalyst Water-Splitting Materials by Neutron Spectroscopy. <i>Chemistry of Materials</i> , 2021, 33, 1363-1372.	3.2	5
4	Photocatalyst Z-scheme system composed of a linear conjugated polymer and BiVO <sub>4</sub> for overall water splitting under visible light. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16283-16290.	5.2	52
5	Tracking Charge Transfer to Residual Metal Clusters in Conjugated Polymers for Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2020, 142, 14574-14587.	6.6	118
6	Structure-activity relationships in well-defined conjugated oligomer photocatalysts for hydrogen production from water. <i>Chemical Science</i> , 2020, 11, 8744-8756.	3.7	41
7	Reprogramming bacterial protein organelles as a nanoreactor for hydrogen production. <i>Nature Communications</i> , 2020, 11, 5448.	5.8	69
8	Photocatalytic proton reduction by a computationally identified, molecular hydrogen-bonded framework. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7158-7170.	5.2	45
9	Hydrogen evolution from water using heteroatom substituted fluorene conjugated co-polymers. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8700-8705.	5.2	47
10	Water Oxidation with Cobalt-Loaded Linear Conjugated Polymer Photocatalysts. <i>Angewandte Chemie</i> , 2020, 132, 18854-18859.	1.6	16
11	Water Oxidation with Cobalt-Loaded Linear Conjugated Polymer Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18695-18700.	7.2	55
12	A mobile robotic chemist. <i>Nature</i> , 2020, 583, 237-241.	13.7	645
13	Aromatic polymers made by reductive polydehalogenation of oligocyclic monomers as conjugated polymers of intrinsic microporosity (C-PIMs). <i>Polymer Chemistry</i> , 2019, 10, 5200-5205.	1.9	7
14	Emulsion polymerization derived organic photocatalysts for improved light-driven hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2490-2496.	5.2	84
15	Demonstrator devices for artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019, 215, 345-363.	1.6	2
16	Synthetic approaches to artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019, 215, 242-281.	1.6	5
17	Photocatalytic Hydrogen Evolution from Water Using Fluorene and Dibenzothiophene Sulfone-Conjugated Microporous and Linear Polymers. <i>Chemistry of Materials</i> , 2019, 31, 305-313.	3.2	173
18	Orthogonal Stimuli Trigger Self-Assembly and Phase Transfer of Fe <sub>4</sub> L <sub>4</sub> Cages and Cargoes. <i>Journal of the American Chemical Society</i> , 2018, 140, 16952-16956.	6.6	18

#	ARTICLE	IF	CITATIONS
19	Maximising the hydrogen evolution activity in organic photocatalysts by co-polymerisation. Journal of Materials Chemistry A, 2018, 6, 11994-12003.	5.2	93
20	Subcomponent Exchange Transforms an Fe <sup>II</sup> L <sub>4</sub> Cage from High- to Low-Spin, Switching Guest Release in a Two-Cage System. Journal of the American Chemical Society, 2017, 139, 6294-6297.	6.6	64