

# Aleksander A Tedstone

## 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.

18  
papers

780  
citations

10  
h-index

21  
g-index

21  
ext. papers

944  
ext. citations

7.1  
avg, IF

4.31  
L-index

#	Paper	IF	Citations
18	Transition metal chalcogenide bifunctional catalysts for chemical recycling by plastic hydrocracking: a single-source precursor approach.. <i>Royal Society Open Science</i> , <b>2022</b> , 9, 211353	3.3	
17	Effect of Ball-Milling Pretreatment of Cellulose on Its Photoreforming for H <sub>2</sub> Production.. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 4862-4871	8.3	4
16	An efficient microwave-assisted chelation (MWAC) post-synthetic modification method to produce hierarchical Y zeolites. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 311, 110715	5.3	4
15	Hydrocracking of virgin and post-consumer polymers. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 315, 110912	5.3	6
14	Effect of hydrogenative regeneration on the activity of beta and Pt-Beta zeolites during the transalkylation of toluene with 1,2,4-trimethylbenzene. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 293, 109737	5.3	5
13	Dehydrochlorination of PVC in multi-layered blisterpacks using ionic liquids. <i>Green Chemistry</i> , <b>2020</b> , 22, 5132-5142	10	7
12	Catalyzing the Hydrocracking of Low Density Polyethylene. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 20601-20609	3.9	21
11	Direct synthesis of MoS <sub>2</sub> or MoO <sub>3</sub> via thermolysis of a dialkyl dithiocarbamate molybdenum(IV) complex. <i>Chemical Communications</i> , <b>2018</b> , 55, 99-102	5.8	21
10	Formation and Characterization of Model Iron Sulfide Scales with Disulfides and Thiols on Steel Pipeline Materials by an Aerosol-Assisted Chemical Vapor Method. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 2496-2500	4.1	41
9	Single-Source Precursor for Tungsten Dichalcogenide Thin Films: Mo <sub>1-x</sub> W <sub>x</sub> S <sub>2</sub> (0 ≤ x ≤ 1) Alloys by Aerosol-Assisted Chemical Vapor Deposition. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3858-3862	9.6	19
8	Property Self-Optimization During Wear of MoS <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1953-1958	9.5	10
7	Synthesis, Properties, and Applications of Transition Metal-Doped Layered Transition Metal Dichalcogenides. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1965-1974	9.6	304
6	On the stability of surfactant-stabilised few-layer black phosphorus in aqueous media. <i>RSC Advances</i> , <b>2016</b> , 6, 86955-86958	3.7	30
5	Diatom Frustules as a Biomineralized Scaffold for the Growth of Molybdenum Disulfide Nanosheets. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5582-5586	9.6	13
4	Nanostructured Aptamer-Functionalized Black Phosphorus Sensing Platform for Label-Free Detection of Myoglobin, a Cardiovascular Disease Biomarker. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22860-8	9.5	164
3	Mechanical Properties of Molybdenum Disulfide and the Effect of Doping: An in Situ TEM Study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20829-34	9.5	41
2	Thin Films of Molybdenum Disulfide Doped with Chromium by Aerosol-Assisted Chemical Vapor Deposition (AACVD). <i>Chemistry of Materials</i> , <b>2015</b> , 27, 1367-1374	9.6	62

- 1 On the interaction of copper(II) with disulfiram. *Chemical Communications*, **2014**, 50, 13334-7 5.8 69