

Aleksander A Tedstone

List of Publications by Citations

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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	Synthesis, Properties, and Applications of Transition Metal-Doped Layered Transition Metal Dichalcogenides. <i>Chemistry of Materials</i> , 2016 , 28, 1965-1974	9.6	304
17	Nanostructured Aptamer-Functionalized Black Phosphorus Sensing Platform for Label-Free Detection of Myoglobin, a Cardiovascular Disease Biomarker. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22860-8	9.5	164
16	On the interaction of copper(II) with disulfiram. <i>Chemical Communications</i> , 2014 , 50, 13334-7	5.8	69
15	Thin Films of Molybdenum Disulfide Doped with Chromium by Aerosol-Assisted Chemical Vapor Deposition (AACVD). <i>Chemistry of Materials</i> , 2015 , 27, 1367-1374	9.6	62
14	Mechanical Properties of Molybdenum Disulfide and the Effect of Doping: An in Situ TEM Study. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20829-34	9.5	41
13	On the stability of surfactant-stabilised few-layer black phosphorus in aqueous media. <i>RSC Advances</i> , 2016 , 6, 86955-86958	3.7	30
12	Catalyzing the Hydrocracking of Low Density Polyethylene. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20601-20609	3.9	21
11	Direct synthesis of MoS or MoO ₃ via thermolysis of a dialkyl dithiocarbamate molybdenum(IV) complex. <i>Chemical Communications</i> , 2018 , 55, 99-102	5.8	21
10	Single-Source Precursor for Tungsten Dichalcogenide Thin Films: Mo _{1-x} W _x S ₂ (0 ≤ x ≤ 1) Alloys by Aerosol-Assisted Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2017 , 29, 3858-3862	9.6	19
9	Diatom Frustules as a Biomineralized Scaffold for the Growth of Molybdenum Disulfide Nanosheets. <i>Chemistry of Materials</i> , 2016 , 28, 5582-5586	9.6	13
8	Property Self-Optimization During Wear of MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1953-1958	9.5	10
7	Dehydrochlorination of PVC in multi-layered blisterpacks using ionic liquids. <i>Green Chemistry</i> , 2020 , 22, 5132-5142	10	7
6	Hydrocracking of virgin and post-consumer polymers. <i>Microporous and Mesoporous Materials</i> , 2021 , 315, 110912	5.3	6
5	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> , 2020 , 293, 109737	5.3	5
4	An efficient microwave-assisted chelation (MWAC) post-synthetic modification method to produce hierarchical Y zeolites. <i>Microporous and Mesoporous Materials</i> , 2021 , 311, 110715	5.3	4
3	Effect of Ball-Milling Pretreatment of Cellulose on Its Photoreforming for H ₂ Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 4862-4871	8.3	4
2	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 & Fuels</i> , 2017 , 31, 2496-2500	4.1	4

- 1 Transition metal chalcogenide bifunctional catalysts for chemical recycling by plastic hydrocracking: a single-source precursor approach.. *Royal Society Open Science*, **2022**, 9, 211353 33