Daniel L Collins-Wildman

List of Publications by Year
in descending order

13	338	840776 11	1125743 13
papers	citations	h-index	g-index

13	13	13	522
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyoxometalate-based gelating networks for entrapment and catalytic decontamination. Chemical Communications, 2017, 53, 11480-11483.	4.1	56
2	Metalâ€“Organic Framework- and Polyoxometalate-Based Sorbents for the Uptake and Destruction of Chemical Warfare Agents. ACS Applied Materials & Interfaces, 2020, 12, 14641-14661.	8.0	46
3	Stabilization of Polyoxometalate Water Oxidation Catalysts on Hematite by Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2017, 9, 35048-35056.	8.0	39
4	Buffer-Induced Acceleration and Inhibition in Polyoxometalate-Catalyzed Organophosphorus Ester Hydrolysis. ACS Catalysis, 2018, 8, 7068-7076.	11.2	37
5	Effect of Carbon Dioxide on the Degradation of Chemical Warfare Agent Simulant in the Presence of Zr Metal Organic Framework MOF-808. Chemistry of Materials, 2019, 31, 9904-9914.	6.7	31
6	Correlated Multimodal Approach Reveals Key Details of Nerve-Agent Decomposition by Single-Site Zr-Based Polyoxometalates. Journal of Physical Chemistry Letters, 2019, 10, 2295-2299.	4.6	23
7	Multi-Tasking POM Systems. Frontiers in Chemistry, 2018, 6, 365.	3.6	22
8	Multimodal Characterization of Materials and Decontamination Processes for Chemical Warfare Protection. ACS Applied Materials & Interfaces, 2020, 12, 14721-14738.	8.0	21
9	Speciation and Dynamics in the [Co₄V₂W₁₈O₆₈]^{10â€“}/Co(II)_{aq}/Co₃O_x Catalytic Water Oxidation System. ACS Catalysis, 2018, 8, 11952-11959.	10.2	19
10	Impact of ambient gases on the mechanism of [Cs8Nb6O19]-promoted nerve-agent decomposition. Chemical Science, 2018, 9, 2147-2158.	7.4	18
11	Ni^{II}, Mn^{II}, and Co^{II} Coordination Polymers with 1,4-Naphthalenedicarboxylic Acid Exhibiting Metamagnetic and Antiferromagnetic Behaviors. Crystal Growth and Design, 2018, 18, 7541-7547.	3.0	16
12	A solvent-free solid catalyst for the selective and color-indicating ambient-air removal of sulfur mustard. Communications Chemistry, 2021, 4, .	4.5	7
13	Polyniobate Nanothreads for Decomposition of the Nerve Agent Simulant Dimethyl Chlorophosphate. ACS Applied Nano Materials, 2021, 4, 5649-5654.	5.0	3