

# Daniel L Collins-Wildman

## List of Publications by Year in descending order

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13  
papers

338  
citations

840776

11  
h-index

1125743

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g-index

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13  
docs citations

13  
times ranked

522  
citing authors

#	ARTICLE	IF	CITATIONS
1	A solvent-free solid catalyst for the selective and color-indicating ambient-air removal of sulfur mustard. <i>Communications Chemistry</i> , 2021, 4, .	4.5	7
2	Polyniobate Nanothreads for Decomposition of the Nerve Agent Simulant Dimethyl Chlorophosphate. <i>ACS Applied Nano Materials</i> , 2021, 4, 5649-5654.	5.0	3
3	Multimodal Characterization of Materials and Decontamination Processes for Chemical Warfare Protection. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14721-14738.	8.0	21
4	Metal-Organic Framework- and Polyoxometalate-Based Sorbents for the Uptake and Destruction of Chemical Warfare Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14641-14661.	8.0	46
5	Effect of Carbon Dioxide on the Degradation of Chemical Warfare Agent Simulant in the Presence of Zr Metal Organic Framework MOF-808. <i>Chemistry of Materials</i> , 2019, 31, 9904-9914.	6.7	31
6	Correlated Multimodal Approach Reveals Key Details of Nerve-Agent Decomposition by Single-Site Zr-Based Polyoxometalates. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2295-2299.	4.6	23
7	Impact of ambient gases on the mechanism of [Cs <sub>8</sub> Nb <sub>6</sub> O <sub>19</sub> ]-promoted nerve-agent decomposition. <i>Chemical Science</i> , 2018, 9, 2147-2158.	7.4	18
8	Speciation and Dynamics in the [Co <sub>4</sub> V <sub>2</sub> W <sub>18</sub> O <sub>68</sub> ] <sup>10-</sup> /Co(II) <sub>aq</sub> /Co <sub>2</sub> L <sub>2</sub> Catalytic Water Oxidation System. <i>ACS Catalysis</i> , 2018, 8, 11952-11959.	10.2	19
9	Ni <sup>II</sup> , Mn <sup>II</sup> , and Co <sup>II</sup> Coordination Polymers with 1,4-Naphthalenedicarboxylic Acid Exhibiting Metamagnetic and Antiferromagnetic Behaviors. <i>Crystal Growth and Design</i> , 2018, 18, 7541-7547.	3.0	16
10	Multi-Tasking POM Systems. <i>Frontiers in Chemistry</i> , 2018, 6, 365.	3.6	22
11	Buffer-Induced Acceleration and Inhibition in Polyoxometalate-Catalyzed Organophosphorus Ester Hydrolysis. <i>ACS Catalysis</i> , 2018, 8, 7068-7076.	11.2	37
12	Polyoxometalate-based gelating networks for entrapment and catalytic decontamination. <i>Chemical Communications</i> , 2017, 53, 11480-11483.	4.1	56
13	Stabilization of Polyoxometalate Water Oxidation Catalysts on Hematite by Atomic Layer Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35048-35056.	8.0	39