

# Yogesh Somasundar

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Bioinspired, Multidisciplinary, Iterative Catalyst Design Creates the Highest Performance Peroxidase Mimics and the Field of Sustainable Ultradilute Oxidation Catalysis (SUDOC). ACS Catalysis, 2019, 9, 7023-7037.	11.2	29
2	Structural, Mechanistic, and Ultradilute Catalysis Portrayal of Substrate Inhibition in the TAML-Hydrogen Peroxide Catalytic Oxidation of the Persistent Drug and Micropollutant, Propranolol. Journal of the American Chemical Society, 2018, 140, 12280-12289.	13.7	21
3	Zero-Order Catalysis in TAML-Catalyzed Oxidation of Imidacloprid, a Neonicotinoid Pesticide. Chemistry - A European Journal, 2020, 26, 7631-7637.	3.3	9
4	Quantifying evolving toxicity in the TAML/peroxide mineralization of propranolol. IScience, 2021, 24, 101897.	4.1	7
5	TAML- and Buffer-Catalyzed Oxidation of Picric Acid by H <sub>2</sub> O <sub>2</sub> : Products, Kinetics, DFT, and the Mechanism of Dual Catalysis. Inorganic Chemistry, 2020, 59, 13223-13232.	4.0	4
6	Oxidative Catalysis by TAMLs: Obtaining Rate Constants for Non-Absorbing Targets by UV-Vis Spectroscopy. ChemPhysChem, 2020, 21, 1083-1086.	2.1	4
7	Kinetics of catalytic oxidation of the potent aquatic toxin microcystin-LR by latest generation TAML activators. Journal of Coordination Chemistry, 2020, 73, 2613-2620.	2.2	3
8	Predicting Properties of Iron(III) TAML Activators of Peroxides from Their III/IV and IV/V Reduction Potentials or a Lost Battle to Peroxidase. Chemistry - A European Journal, 2020, 26, 14738-14744.	3.3	3
9	Transformative Catalysis Purifies Municipal Wastewater of Micropollutants. ACS ES&T Water, 2021, 1, 2155-2163.	4.6	3