Jeffrey D Martell

List of Publications by Year
in descending order

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19 papers	4,825 citations	471509 17 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	6644 citing authors

#	Article	IF	Citations
1	Proteomic Mapping of Mitochondria in Living Cells via Spatially Restricted Enzymatic Tagging. Science, 2013, 339, 1328-1331.	12.6	1,023
2	Directed evolution of APEX2 for electron microscopy and proximity labeling. Nature Methods, 2015, 12, 51-54.	19.0	1,014
3	Antibiotics induce redox-related physiological alterations as part of their lethality. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2100-9.	7.1	698
4	Engineered ascorbate peroxidase as a genetically encoded reporter for electron microscopy. Nature Biotechnology, 2012, 30, 1143-1148.	17.5	584
5	Cooperative carbon capture and steam regeneration with tetraamine-appended metalâ€“organic frameworks. Science, 2020, 369, 392-396.	12.6	249
6	A Diaminopropane-Appended Metalâ€“Organic Framework Enabling Efficient CO₂ Capture from Coal Flue Gas via a Mixed Adsorption Mechanism. Journal of the American Chemical Society, 2017, 139, 13541-13553.	13.7	206
7	Controlling Cooperative CO₂ Adsorption in Diamine-Appended Mg₂(dobpdc) Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 10526-10538.	13.7	205
8	Electron microscopy using the genetically encoded APEX2 tag in cultured mammalian cells. Nature Protocols, 2017, 12, 1792-1816.	12.0	146
9	A split horseradish peroxidase for the detection of intercellular proteinâ€“protein interactions and sensitive visualization of synapses. Nature Biotechnology, 2016, 34, 774-780.	17.5	140
10	Directed Evolution of Split APEX2 Peroxidase. ACS Chemical Biology, 2019, 14, 619-635.	3.4	113
11	Elucidating CO₂ Chemisorption in Diamine-Appended Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 18016-18031.	13.7	107
12	Overcoming double-step CO₂ adsorption and minimizing water co-adsorption in bulky diamine-appended variants of Mg₂(dobpdc). Chemical Science, 2018, 9, 160-174.	7.4	88
13	Enantioselective Recognition of Ammonium Carbamates in a Chiral Metalâ€“Organic Framework. Journal of the American Chemical Society, 2017, 139, 16000-16012.	13.7	82
14	Unexpected Diffusion Anisotropy of Carbon Dioxide in the Metalâ€“Organic Framework Zn₂(dobpdc). Journal of the American Chemical Society, 2018, 140, 1663-1673.	13.7	64
15	Kinetics of cooperative CO₂ adsorption in diamine-appended variants of the metalâ€“organic framework Mg₂(dobpdc). Chemical Science, 2020, 11, 6457-6471.	7.4	34
16	Heme-Coordinating Inhibitors of Neuronal Nitric Oxide Synthase. Ironâ^'Thioether Coordination Is Stabilized by Hydrophobic Contacts without Increased Inhibitor Potency. Journal of the American Chemical Society, 2010, 132, 798-806.	13.7	20
17	Impact of Maintaining Assessment Emphasis on Three-Dimensional Learning as Organic Chemistry Moved Online. Journal of Chemical Education, 2020, 97, 2408-2420.	2.3	20
18	Temperature-Dependent Spin Crossover in Neuronal Nitric Oxide Synthase Bound with the Heme-Coordinating Thioether Inhibitors. Journal of the American Chemical Society, 2011, 133, 8326-8334.	13.7	16

#	Article	IF	Citations
19	DNA-Scaffolded Synergistic Catalysis. Journal of the American Chemical Society, 2021, 143, 21402-21409.	13.7	12