

Jeffrey D Martell

List of Publications by Year in descending order

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Version: 2024-02-01

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	DNA-Scaffolded Synergistic Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 21402-21409.	13.7	12
2	Cooperative carbon capture and steam regeneration with tetraamine-appended metal-organic frameworks. <i>Science</i> , 2020, 369, 392-396.	12.6	249
3	Impact of Maintaining Assessment Emphasis on Three-Dimensional Learning as Organic Chemistry Moved Online. <i>Journal of Chemical Education</i> , 2020, 97, 2408-2420.	2.3	20
4	Kinetics of cooperative CO ₂ adsorption in diamine-appended variants of the metal-organic framework Mg ₂ (dobpdc). <i>Chemical Science</i> , 2020, 11, 6457-6471.	7.4	34
5	Directed Evolution of Split APEX2 Peroxidase. <i>ACS Chemical Biology</i> , 2019, 14, 619-635.	3.4	113
6	Unexpected Diffusion Anisotropy of Carbon Dioxide in the Metal-Organic Framework Zn ₂ (dobpdc). <i>Journal of the American Chemical Society</i> , 2018, 140, 1663-1673.	13.7	64
7	Overcoming double-step CO ₂ adsorption and minimizing water co-adsorption in bulky diamine-appended variants of Mg ₂ (dobpdc). <i>Chemical Science</i> , 2018, 9, 160-174.	7.4	88
8	Elucidating CO ₂ Chemisorption in Diamine-Appended Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 18016-18031.	13.7	107
9	Enantioselective Recognition of Ammonium Carbamates in a Chiral Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2017, 139, 16000-16012.	13.7	82
10	A Diaminopropane-Appended Metal-Organic Framework Enabling Efficient CO ₂ Capture from Coal Flue Gas via a Mixed Adsorption Mechanism. <i>Journal of the American Chemical Society</i> , 2017, 139, 13541-13553.	13.7	206
11	Electron microscopy using the genetically encoded APEX2 tag in cultured mammalian cells. <i>Nature Protocols</i> , 2017, 12, 1792-1816.	12.0	146
12	Controlling Cooperative CO ₂ Adsorption in Diamine-Appended Mg ₂ (dobpdc) Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 10526-10538.	13.7	205
13	A split horseradish peroxidase for the detection of intercellular protein-protein interactions and sensitive visualization of synapses. <i>Nature Biotechnology</i> , 2016, 34, 774-780.	17.5	140
14	Directed evolution of APEX2 for electron microscopy and proximity labeling. <i>Nature Methods</i> , 2015, 12, 51-54.	19.0	1,014
15	Antibiotics induce redox-related physiological alterations as part of their lethality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2100-9.	7.1	698
16	Proteomic Mapping of Mitochondria in Living Cells via Spatially Restricted Enzymatic Tagging. <i>Science</i> , 2013, 339, 1328-1331.	12.6	1,023
17	Engineered ascorbate peroxidase as a genetically encoded reporter for electron microscopy. <i>Nature Biotechnology</i> , 2012, 30, 1143-1148.	17.5	584
18	Temperature-Dependent Spin Crossover in Neuronal Nitric Oxide Synthase Bound with the Heme-Coordinating Thioether Inhibitors. <i>Journal of the American Chemical Society</i> , 2011, 133, 8326-8334.	13.7	16

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19	Heme-Coordinating Inhibitors of Neuronal Nitric Oxide Synthase. Iron ²⁺ Thioether Coordination Is Stabilized by Hydrophobic Contacts without Increased Inhibitor Potency. <i>Journal of the American Chemical Society</i> , 2010, 132, 798-806.	13.7	20