

Brian R Pimentel

List of Publications by Year in descending order

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citations

687363

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1193
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote Detection of HCN, HF, and Nerve Agent Vapors Based on Self-Referencing, Dye-Impregnated Porous Silicon Photonic Crystals. ACS Sensors, 2021, 6, 418-428.	7.8	7
2	High-Throughput Screening of MOFs for Breakdown of V-Series Nerve Agents. ACS Applied Materials & Interfaces, 2020, 12, 14672-14677.	8.0	21
3	Re(tBu-bpy)(CO) ₃ Cl Supported on Multi-Walled Carbon Nanotubes Selectively Reduces CO ₂ in Water. Journal of the American Chemical Society, 2019, 141, 17270-17277.	13.7	64
4	Sorption and Transport of Vapors in ZIF-11: Adsorption, Diffusion, and Linker Flexibility. Journal of Physical Chemistry C, 2019, , .	3.1	16
5	Analysis and utilization of cryogenic sorption isotherms for high free volume glassy polymers. Polymer, 2019, 170, 157-167.	3.8	15
6	Sub-ambient air separation via Li ⁺ exchanged zeolite. Microporous and Mesoporous Materials, 2018, 256, 140-146.	4.4	20
7	Propylene Enrichment via Kinetic Vacuum Pressure Swing Adsorption Using ZIF-8 Fiber Sorbents. ACS Applied Materials & Interfaces, 2018, 10, 36323-36331.	8.0	16
8	An Immobilized Rhodium Hollow Fiber Flow Reactor for Scalable and Sustainable C ₂ H ₄ Functionalization in Continuous Flow. Angewandte Chemie, 2018, 130, 11089-11093.	2.0	14
9	An Immobilized Rhodium Hollow Fiber Flow Reactor for Scalable and Sustainable C ₂ H ₄ Functionalization in Continuous Flow. Angewandte Chemie - International Edition, 2018, 57, 10923-10927.	13.8	52
10	Synthesis of Water-Sensitive Metal-Organic Frameworks within Fiber Sorbent Modules. Industrial & Engineering Chemistry Research, 2017, 56, 5070-5077.	3.7	30
11	Microscopic diffusion of pure and mixed methane and carbon dioxide in ZIF-11 by high field diffusion NMR. Microporous and Mesoporous Materials, 2017, 248, 158-163.	4.4	22
12	Enabling Kinetic Light Hydrocarbon Separation via Crystal Size Engineering of ZIF-8. Industrial & Engineering Chemistry Research, 2016, 55, 12467-12476.	3.7	44
13	Zeolitic Imidazolate Frameworks: Next-Generation Materials for Energy-Efficient Gas Separations. ChemSusChem, 2014, 7, 3202-3240.	6.8	235
14	Correlating lignin structure to aromatic products in the catalytic fast pyrolysis of lignin model compounds containing β-O-4 linkages. Catalysis Science and Technology, 2014, 4, 3953-3963.	4.1	33