Zachariah J Berkson

List of Publications by Year
in descending order

18	477	932766 10	839053 18
papers	citations	h-index	g-index

32	32	32	837
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A molecular cross-linking approach for hybrid metal oxides. Nature Materials, 2018, 17, 341-348.	13.3	90
2	Molecular Insights into Carbon Dioxide Sorption in Hydrazone-Based Covalent Organic Frameworks with Tertiary Amine Moieties. Chemistry of Materials, 2019, 31, 1946-1955.	3.2	71
3	Well-Defined Silanols in the Structure of the Calcined High-Silica Zeolite SSZ-70: New Understanding of a Successful Catalytic Material. Journal of the American Chemical Society, 2017, 139, 16803-16812.	6.6	61
4	Olefin metathesis: what have we learned about homogeneous and heterogeneous catalysts from surface organometallic chemistry?. Chemical Science, 2021, 12, 3092-3115.	3.7	43
5	Crystallization of Mordenite Platelets using Cooperative Organic Structure-Directing Agents. Journal of the American Chemical Society, 2019, 141, 20155-20165.	6.6	42
6	Syntheses of Colloidal F:In₂O₃ Cubes: Fluorine-Induced Faceting and Infrared Plasmonic Response. Chemistry of Materials, 2019, 31, 2661-2676.	3.2	41
7	Preferential Siting of Aluminum Heteroatoms in the Zeolite Catalyst Alâ€SSZâ€70. Angewandte Chemie - International Edition, 2019, 58, 6255-6259.	7.2	31
8	Nonâ€Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. Angewandte Chemie - International Edition, 2017, 56, 5164-5169.	7.2	17
9	Leveraging Surface Siloxide Electronics to Enhance the Relaxation Properties of a Single-Molecule Magnet. Journal of the American Chemical Society, 2021, 143, 5438-5444.	6.6	16
10	Multimodal Miniature Surface Forces Apparatus (Î¼SFA) for Interfacial Science Measurements. Langmuir, 2019, 35, 15500-15514.	1.6	12
11	Preferential Siting of Aluminum Heteroatoms in the Zeolite Catalyst Alâ€SSZâ€70. Angewandte Chemie, 2019, 131, 6321-6325.	1.6	10
12	Boosting the Metathesis Activity of Molybdenum Oxo Alkylidenes by Tuning the Anionic Ligand Ïƒ Donation. Inorganic Chemistry, 2021, 60, 6875-6880.	1.9	9
13	Regularized dynamical decoupling noise spectroscopy â€“ a decoherence descriptor for radicals in glassy matrices. Physical Chemistry Chemical Physics, 2021, 23, 21664-21676.	1.3	8
14	Olefin-Surface Interactions: A Key Activity Parameter in Silica-Supported Olefin Metathesis Catalysts. Jacs Au, 2022, 2, 777-786.	3.6	8
15	Spatially correlated distributions of local metallic properties in bulk and nanocrystalline GaN. Physical Review B, 2017, 95, .	1.1	6
16	Revisiting Edge Sites of Î³-Al₂O₃ Using Needle-Shaped Nanocrystals and Recoupling-Time-Encoded {²⁷Al}-¹H D-HMQC NMR Spectroscopy. Journal of Physical Chemistry C, 2022, 126, 6351-6360.	1.5	4
17	Nonâ€Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. Angewandte Chemie, 2017, 129, 5246-5251.	1.6	3
18	InnenrÃ¼cktitelbild: Preferential Siting of Aluminum Heteroatoms in the Zeolite Catalyst Alâ€SSZâ€70 (Angew. Chem. 19/2019). Angewandte Chemie, 2019, 131, 6523-6523.	1.6	0