Josh Borycz

List of Publications by Year
in descending order

29 papers	2,227 citations	516215 16 h-index	525886 27 g-index
30 all docs	30 docs citations	30 times ranked	3452 citing authors

#	Article	IF	Citations
1	A Hafnium-Based Metal–Organic Framework as an Efficient and Multifunctional Catalyst for Facile CO_2 Fixation and Regioselective and Enantioretentive Epoxide Activation. Journal of the American Chemical Society, 2014, 136, 15861-15864.	6.6	470
2	Oxidation of ethane to ethanol by N2O in a metal–organic framework with coordinatively unsaturated iron(II) sites. Nature Chemistry, 2014, 6, 590-595.	6.6	398
3	Defining the Proton Topology of the Zr_6-Based Metal–Organic Framework NU-1000. Journal of Physical Chemistry Letters, 2014, 5, 3716-3723.	2.1	228
4	Mechanism of Oxidation of Ethane to Ethanol at Iron(IV)–Oxo Sites in Magnesium-Diluted Fe_2(dobdc). Journal of the American Chemical Society, 2015, 137, 5770-5781.	6.6	156
5	Tuning Zr_6 Metal–Organic Framework (MOF) Nodes as Catalyst Supports: Site Densities and Electron-Donor Properties Influence Molecular Iridium Complexes as Ethylene Conversion Catalysts. ACS Catalysis, 2016, 6, 235-247.	5.5	150
6	Targeted Single-Site MOF Node Modification: Trivalent Metal Loading via Atomic Layer Deposition. Chemistry of Materials, 2015, 27, 4772-4778.	3.2	116
7	Data sharing, management, use, and reuse: Practices and perceptions of scientists worldwide. PLoS ONE, 2020, 15, e0229003.	1.1	112
8	Single-Site Organozirconium Catalyst Embedded in a Metal–Organic Framework. Journal of the American Chemical Society, 2015, 137, 15680-15683.	6.6	103
9	Ab Initio Derived Force Fields for Predicting CO_2 Adsorption and Accessibility of Metal Sites in the Metal–Organic Frameworks M-MOF-74 (M = Mn, Co, Ni, Cu). Journal of Physical Chemistry C, 2015, 119, 16058-16071.	1.5	84
10	Thermal Stabilization of Metal–Organic Framework-Derived Single-Site Catalytic Clusters through Nanocasting. Journal of the American Chemical Society, 2016, 138, 2739-2748.	6.6	83
11	Computational Study of Structural and Electronic Properties of Lead-Free $CsMI_3$ Perovskites (M = Ge, Sn, Pb, Mg, Ca, Sr, and Ba). Journal of Physical Chemistry C, 2018, 122, 7838-7848.	1.5	62
12	CO_2 Adsorption in Fe_2(dobdc): A Classical Force Field Parameterized from Quantum Mechanical Calculations. Journal of Physical Chemistry C, 2014, 118, 12230-12240.	1.5	45
13	Atomic Layer Deposition in a Metal–Organic Framework: Synthesis, Characterization, and Performance of a Solid Acid. Chemistry of Materials, 2017, 29, 1058-1068.	3.2	45
14	Single-Ion Magnetic Anisotropy and Isotropic Magnetic Couplings in the Metal–Organic Framework Fe_2(dobdc). Inorganic Chemistry, 2013, 52, 9379-9389.	1.9	43
15	Research Data Sharing: Practices and Attitudes of Geophysicists. Earth and Space Science, 2018, 5, 891-902.	1.1	41
16	CO_2 Adsorption in M-IRMOF-10 (M = Mg, Ca, Fe, Cu, Zn, Ge, Sr, Cd, Sn, Ba). Journal of Physical Chemistry C, 2016, 120, 12819-12830.	1.5	21
17	Structural and Electronic Effects on the Properties of Fe_2(dobdc) upon Oxidation with N_2O. Inorganic Chemistry, 2016, 55, 4924-4934.	1.9	15
18	Internet Research Agency Twitter activity predicted 2016 U.S. election polls. First Monday, 0, , .	0.6	14

#	Article	IF	Citations
19	Early warning of vulnerable counties in a pandemic using socio-economic variables. Economics and Human Biology, 2021, 41, 100988.	0.7	11
20	Implementing FAIR data for people and machines: Impacts and implications - results of a research data community workshop. Information Services and Use, 2020, 40, 71-85.	0.1	6
21	Radiation-induced cathodoluminescent signatures in calcite. Radiation Measurements, 2012, 47, 195-200.	0.7	5
22	Machine learning for rediscovering revolutionary ideas of the past. Adaptive Behavior, 2022, 30, 279-286.	1.1	4
23	Correction to "Tuning Zr_6 Metal-Organic Framework (MOF) Nodes as Catalyst Supports: Site Densities and Electron-Donor Properties Influence Molecular Iridium Complexes as Ethylene Conversion Catalysts" ACS Catalysis, 2018, 8, 2364-2364.	5.5	3
24	Cultural values predict national COVID-19 death rates. SN Social Sciences, 2021, 1, 74.	0.4	3
25	Managing Digital Research Objects in an Expanding Science Ecosystem: 2017 Conference Summary. Data Science Journal, 2018, 17, .	0.6	3
26	Implementing Data Management Workflows in Research Groups Through Integrated Library Consultancy. Data Science Journal, 2021, 20, .	0.6	2
27	STEM Abstracting and Indexing (A&I) Tool Overlap Analysis in 2020: An Open Science Informed Approach Amid Pandemic Budgets. Journal of Escience Librarianship, 2021, 10, .	0.2	2
28	Monitoring event-driven dynamics on Twitter: a case study in Belarus. SN Social Sciences, 2022, 2, 36.	0.4	2
29	COVID-19 as an Opportunity to Expand the Instructional Portfolio of STEM Librarians. Issues in Science and Technology Librarianship, 2021, , .	0.2	0