

Christopher J Bartel

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,296
citations

361413

20
h-index

434195

31
g-index

41
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41
docs citations

41
times ranked

3017
citing authors

#	ARTICLE	IF	CITATIONS
19	Aluminum Nitride Hydrolysis Enabled by Hydroxyl-Mediated Surface Proton Hopping. ACS Applied Materials & Interfaces, 2016, 8, 18550-18559.	8.0	21
20	High-Throughput Equilibrium Analysis of Active Materials for Solar Thermochemical Ammonia Synthesis. ACS Applied Materials & Interfaces, 2019, 11, 24850-24858.	8.0	21
21	High-Throughput Analysis of Materials for Chemical Looping Processes. Advanced Energy Materials, 2020, 10, 2000685.	19.5	18
22	Characterization of products derived from the high temperature flash pyrolysis of microalgae and rice hulls. Chemical Engineering Science, 2019, 196, 527-537.	3.8	15
23	Toward the Development of a High-Voltage Mg Cathode Using a Chromium Sulfide Host. , 2021, 3, 1213-1220.		12
24	Intercalation of Ca into a Highly Defective Manganese Oxide at Room Temperature. Chemistry of Materials, 2022, 34, 836-846.	6.7	10
25	Helium interactions with alumina formed by atomic layer deposition show potential for mitigating problems with excess helium in spent nuclear fuel. Journal of Nuclear Materials, 2018, 499, 301-311.	2.7	8
26	Particle atomic layer deposition of alumina for sintering yttria-stabilized cubic zirconia. Journal of the American Ceramic Society, 2019, 102, 2283-2293.	3.8	8
27	First-principles study of $\text{CaB}_{12}\text{H}_{12}$ as a potential solid-state conductor for Ca. Physical Chemistry Chemical Physics, 2020, 22, 27600-27604.	2.8	8
28	Layered Transition Metal Oxides as Ca Intercalation Cathodes: A Systematic First-Principles Evaluation. Advanced Energy Materials, 2021, 11, 2101698.	19.5	8
29	Data-centric approach to improve machine learning models for inorganic materials. Patterns, 2021, 2, 100382.	5.9	7
30	Solid-State Calcium-Ion Diffusion in $\text{Ca}_{1.5}\text{Ba}_{0.5}\text{Si}_5\text{O}_3\text{N}_6$. Chemistry of Materials, 2022, 34, 128-139.	6.7	7
31	Expanding the Ambient-Pressure Phase Space of CaFe_2O_4 -Type Sodium Postspinel Host-Guest Compounds. ACS Organic & Inorganic Au, 2022, 2, 8-22.	4.0	5
32	Hydrolysis protection and sintering of aluminum nitride powders with yttria nanofilms. Journal of the American Ceramic Society, 0, , .	3.8	4