

James Hester

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Oxide-Ion Occupation Disorder, Diffusion Path, and Conductivity in Hexagonal Perovskite Derivatives Ba ₃ WNbO _{8.5} and Ba ₃ MoNbO _{8.5} . Journal of Physical Chemistry C, 2022, 126, 2383-2393.	3.1	10
2	High Oxide-Ion Conductivity in a Hexagonal Perovskite-Related Oxide Ba ₇ Ta _{3.7} Mo _{1.3} O _{20.15} with Cation Site Preference and Interstitial Oxide Ions. Small, 2022, 18, e2106785.	10.0	21
3	Simultaneous Reduction of Proton Conductivity and Enhancement of Oxide-Ion Conductivity by Aliovalent Doping in Ba ₇ Nb ₄ MoO ₂₀ . Inorganic Chemistry, 2022, 61, 7537-7545.	4.0	9
4	Reduced crystal symmetry as the origin of the ferroelectric polarization within the incommensurate magnetic phase of $TbMnO_2$. Physical Review B, 2022, 105, .	3.2	11
5	Improved oxide-ion and lower proton conduction of hexagonal perovskite-related oxides based on Ba ₇ Nb ₄ MoO ₂₀ by Cr ⁶⁺ doping. Journal of the Ceramic Society of Japan, 2022, 130, 442-447.	1.1	7
6	Lerche: Generating data file processors in Julia from EBNF grammars. Journal of Open Source Software, 2021, 6, 3497.	4.6	2
7	High accuracy determination of photoelectric cross sections, X-ray absorption fine structure and nanostructure analysis of zinc selenide using the X-ray extended range technique. Journal of Synchrotron Radiation, 2020, 27, 1262-1277.	2.4	5
8	High Proton Conductivity in Ba ₅ Er ₂ Al ₂ ZrO ₁₃ , a Hexagonal Perovskite-Related Oxide with Intrinsically Oxygen-Deficient Layers. Journal of the American Chemical Society, 2020, 142, 11653-11657.	13.7	53
9	Synthesis, structure and dielectric properties of the Sr ₃ Ti _{1-x} Zr _x Nb ₄ O ₁₅ , (0 ≤ x ≤ 1), series of tungsten bronze type compounds. CrystEngComm, 2020, 22, 4994-5001.	2.6	3
10	Defect structure and property consequence when small Li ⁺ ions meet BaTiO ₃ . Physical Review Materials, 2020, 4, .	2.4	1
11	Neutron diffraction and magnetic properties of $CoMn_2$ Heusler alloys. Physical Review B, 2019, 100, .	3.2	11
12	Direct evidence for two-dimensional oxide-ion diffusion in the hexagonal perovskite-related oxide Ba ₃ MoNbO _{8.5} . Journal of Materials Chemistry A, 2019, 7, 13910-13916.	10.3	44
13	ECHIDNA: a decade of high-resolution neutron powder diffraction at OPAL. Journal of Applied Crystallography, 2018, 51, 1597-1604.	4.5	141
14	Specification of the Crystallographic Information File format, version 2.0. Journal of Applied Crystallography, 2016, 49, 277-284.	4.5	37
15	Rapid Lithium Insertion and Location of Mobile Lithium in the Defect Perovskite Li _{0.18} Sr _{0.66} Ti _{0.5} Nb _{0.5} O ₃ . ChemPhysChem, 2012, 13, 2293-2296.	2.1	12