

# Josie E Auckett

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6695923/publications.pdf>

Version: 2024-02-01

25  
papers

375  
citations

840776

11  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Experimental and Computational Study of Oxide Ion Conduction Dynamics in Sr <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> Brownmillerite. Chemistry of Materials, 2013, 25, 3080-3087.	6.7	55
2	Efficient up-conversion by triplet-triplet annihilation. Journal of Physics: Conference Series, 2009, 185, 012002.	0.4	39
3	Real-time powder diffraction studies of energy materials under non-equilibrium conditions. IUCrJ, 2017, 4, 540-554.	2.2	36
4	Continuous negative-to-positive tuning of thermal expansion achieved by controlled gas sorption in porous coordination frameworks. Nature Communications, 2018, 9, 4873.	12.8	33
5	Square Grid Metal-Cloranyl Networks as Robust Host Systems for Guest Sorption. Chemistry - A European Journal, 2019, 25, 5222-5234.	3.3	31
6	Floating-zone growth of brownmillerite Sr <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> and the observation of a chain-ordered superstructure by single-crystal neutron diffraction. Solid State Ionics, 2012, 225, 432-436.	2.7	29
7	Cation Distributions and Anion Disorder in Ba <sub>3</sub> NbMoO <sub>8.5</sub> (M = Ti, Zr, Hf, Th, U, Np, Pu, Am, Cm, Bk, Cf, Fm, Md, No, Lr). Journal of Materials Chemistry A, 2019, 7, 25503-25510.	6.7	28
8	Hexagonal perovskite related oxide ion conductor Ba <sub>3</sub> NbMoO <sub>8.5</sub> : phase transition, temperature evolution of the local structure and properties. Journal of Materials Chemistry A, 2019, 7, 25503-25510.	10.3	22
9	Exploring the nature of the fergusonite-scheelite phase transition and ionic conductivity enhancement by Mo <sup>6+</sup> doping in LaNbO <sub>4</sub> . Journal of Materials Chemistry A, 2021, 9, 4091-4102.	10.3	20
10	Neutron Laue diffraction study of the complex low-temperature magnetic behaviour of brownmillerite-type Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> . Journal of Applied Crystallography, 2015, 48, 273-279.	4.5	17
11	Pressure-Induced Intersite B <sup>2+</sup> M (M = Ru, Ir) Valence Transitions in Hexagonal Perovskites. Angewandte Chemie - International Edition, 2014, 53, 3414-3417.	13.8	14
12	Understanding the Correlation between Oxide Ion Mobility and Site Distributions in Ba <sub>3</sub> NbWO <sub>8.5</sub> . Inorganic Chemistry, 2020, 59, 14245-14250.	4.0	11
13	Magnetic structure of Sr <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> brownmillerite by single-crystal Mössbauer spectroscopy. Journal of Solid State Chemistry, 2013, 205, 5-9.	2.9	9
14	Order, Disorder, and Dynamics in Brownmillerite Sr <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> . Inorganic Chemistry, 2019, 58, 12317-12324.	4.0	7
15	Type II Bi <sub>1-x</sub> W <sub>x</sub> O <sub>1.5</sub> + <sub>1.5</sub> : a (3-dimensional) commensurate modulation that stabilizes the fast-ion conducting delta phase of bismuth oxide. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 679-687.	1.1	6
16	Coexistence of spin glass and antiferromagnetic orders in Ba <sub>3</sub> Fe <sub>2.15</sub> W <sub>0.85</sub> O <sub>7.2</sub> . Journal of Physics Condensed Matter, 2012, 24, 206004.	1.8	3
17	Anisotropic Thermal and Guest-Induced Responses of an Ultramicroporous Framework with Rigid Linkers. Chemistry - A European Journal, 2018, 24, 4774-4779.	3.3	3
18	Comment on "Structural and Mössbauer study of the brownmillerite oxides LaSrMn <sub>2-x</sub> Fe <sub>x</sub> O <sub>5</sub> (0 ≤ x ≤ 2.5)". Journal of Alloys and Compounds, 2014, 610, 212-213.	5.5	2

#	ARTICLE	IF	CITATIONS
19	Structural Disorder and Classical Spin-Glass Behaviour in Ba <sub>3</sub> Fe <sub>2</sub> SbO <sub>9</sub> . Australian Journal of Chemistry, 2014, 67, 1612.	0.9	2
20	Insights into Selective Gas Sorbent Functionality Gained by Using Time-Resolved Neutron Diffraction. ChemPlusChem, 2018, 83, 669-675.	2.8	2
21	Single-Crystal Neutron Diffraction Study of Superstructure Ordering and Domain Behaviour in Brownmillerite-Type Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> . Australian Journal of Chemistry, 2014, 67, 1824.	0.9	1
22	Lattice response of the porous coordination framework Zn(hba) to guest adsorption. Powder Diffraction, 2017, 32, S49-S53.	0.2	1
23	Flexible Yttrium Coordination Geometry Inhibits "Bare-Metal"-Guest Interactions in the Metal-Organic Framework Y(btc). Energies, 2016, 9, 836.	3.1	0
24	A reinterpretation of the structural and magnetic properties of La <sup>1-x</sup> NaxSrMn <sub>2</sub> O <sub>5</sub> +δ (0.1 ≤ x ≤ 0.3). Materials Chemistry and Physics, 2017, 186, 1-4.	4.0	0
25	Frontispiece: Anisotropic Thermal and Guest-Induced Responses of an Ultramicroporous Framework with Rigid Linkers. Chemistry - A European Journal, 2018, 24, .	3.3	0