

Kit McColl

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

687
citations

758635

12
h-index

713013

21
g-index

24
all docs

24
docs citations

24
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact-formed complex diamond-graphite nanostructures. <i>Resolution and Discovery</i> , 2022, 6, 1-6.	0.9	1
2	Energy storage mechanisms in vacancy-ordered Wadsley-Roth layered niobates. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20006-20023.	5.2	12
3	Diaphite-structured nanodiamonds with six- and twelve-fold symmetries. <i>Diamond and Related Materials</i> , 2021, 119, 108573.	1.8	16
4	Fast lithium-ion conductivity in the <i>empty-perovskite</i> $\text{Ruddlesden-Popper-type}$ oxysulphide $\text{Y}_{2}\text{Ti}_{2}\text{S}_{2}\text{O}_{5}$. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7068-7084.	5.2	8
5	Enabling stable MnO_{2} matrix for aqueous zinc-ion battery cathodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22075-22082.	5.2	101
6	Probing Mg Intercalation in the Tetragonal Tungsten Bronze Framework $\text{V}_{4}\text{Nb}_{18}\text{O}_{55}$. <i>Inorganic Chemistry</i> , 2020, 59, 9783-9797.	1.9	7
7	Complex nanostructures in diamond. <i>Nature Materials</i> , 2020, 19, 1126-1131.	13.3	49
8	Diamond-Graphene Composite Nanostructures. <i>Nano Letters</i> , 2020, 20, 3611-3619.	4.5	54
9	Multi-Scale Investigations of $\text{Ni}_{0.25}\text{V}_{2}\text{O}_{5}\text{-nH}_{2}\text{O}$ Cathode Materials in Aqueous Zinc-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000058.	10.2	173
10	Zinc-Ion Batteries: Multi-Scale Investigations of $\text{Ni}_{0.25}\text{V}_{2}\text{O}_{5}\text{-nH}_{2}\text{O}$ Cathode Materials in Aqueous Zinc-Ion Batteries (Adv. Energy Mater. 15/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070068.	10.2	8
11	Quantifying hexagonal stacking in diamond. <i>Scientific Reports</i> , 2019, 9, 10334.	1.6	24
12	Mg^{2+} storage and mobility in anatase TiO_{2} : the role of frustrated coordination. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3704-3713.	5.2	10
13	Phase stability of intercalated V_{2}O_{5} battery cathodes elucidated through the Goldschmidt tolerance factor. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7732-7744.	1.3	9
14	Modelling Mg Storage and Mobility in V_{2}O_{5} and Anatase TiO_{2} . <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
15	Transition-Metal-Doped MnO_{2} Nanorods as Bifunctional Catalysts for Efficient Oxygen Reduction and Evolution Reactions. <i>ChemistrySelect</i> , 2018, 3, 2613-2622.	0.7	54
16	Synthesis, Structure and Electronic Properties of Graphitic Carbon Nitride Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25183-25194.	1.5	64
17	Enhanced electrochemical performance of electrospun V_{2}O_{5} fibres doped with redox-inactive metals. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3703-3716.	1.2	10
18	Thermodynamics and defect chemistry of substitutional and interstitial cation doping in layered V_{2}O_{5} . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15002-15006.	1.3	15

#	ARTICLE	IF	CITATIONS
19	Fast Exfoliation and Functionalisation of Twoâ€³Dimensional Crystalline Carbon Nitride by Framework Charging. <i>Angewandte Chemie</i> , 2018, 130, 12838-12842.	1.6	14
20	Fast Exfoliation and Functionalisation of Twoâ€³Dimensional Crystalline Carbon Nitride by Framework Charging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12656-12660.	7.2	35
21	Theoretical insights into the nature of synergistic enhancement in bimetallic CoTiAlPO-5 catalysts for ammonia activation. <i>Catalysis Science and Technology</i> , 2017, 7, 3474-3480.	2.1	3
22	Metastable structural transformations and pressure-induced amorphization in natural (Mg,Fe) ₂ SiO ₄ olivine under static compression: A Raman spectroscopic study. <i>American Mineralogist</i> , 2016, 101, 1642-1650.	0.9	20