

Henrik Lyder Andersen

List of Publications by Citations

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27
papers

490
citations

12
h-index

21
g-index

29
ext. papers

589
ext. citations

6.5
avg, IF

3.95
L-index

#	Paper	IF	Citations
27	Crystalline and magnetic structure-property relationship in spinel ferrite nanoparticles. <i>Nanoscale</i> , 2018 , 10, 14902-14914	7.7	69
26	Mechanisms for iron oxide formation under hydrothermal conditions: an in situ total scattering study. <i>ACS Nano</i> , 2014 , 8, 10704-14	16.7	65
25	In situ powder X-ray diffraction study of magnetic CoFe ₂ O ₄ nanocrystallite synthesis. <i>Nanoscale</i> , 2015 , 7, 3481-90	7.7	43
24	Size and Size Distribution Control of Fe ₂ O ₃ Nanocrystallites: An in Situ Study. <i>Crystal Growth and Design</i> , 2014 , 14, 1307-1313	3.5	31
23	The chemistry of ZnWO nanoparticle formation. <i>Chemical Science</i> , 2016 , 7, 6394-6406	9.4	26
22	Nanoengineered High-Performance Hexaferrite Magnets by Morphology-Induced Alignment of Tailored Nanoplatelets. <i>ACS Applied Nano Materials</i> , 2018 , 1, 6938-6949	5.6	26
21	Unraveling structural and magnetic information during growth of nanocrystalline SrFe ₁₂ O ₁₉ . <i>Journal of Materials Chemistry C</i> , 2016 , 4, 10903-10913	7.1	25
20	Pitfalls and reproducibility of in situ synchrotron powder X-ray diffraction studies of solvothermal nanoparticle formation. <i>Journal of Applied Crystallography</i> , 2018 , 51, 526-540	3.8	20
19	Enhancement of magnetic properties by spark plasma sintering of hydrothermally synthesised SrFe ₁₂ O ₁₉ . <i>CrystEngComm</i> , 2017 , 19, 1400-1407	3.3	18
18	Enhanced intrinsic saturation magnetization of Zn _x Co _{1-x} Fe ₂ O ₄ nanocrystallites with metastable spinel inversion. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 668-679	7.8	15
17	Coercivity enhancement of strontium hexaferrite nano-crystallites through morphology controlled annealing. <i>Materialia</i> , 2018 , 4, 203-210	3.2	15
16	Approaching Ferrite-Based Exchange-Coupled Nanocomposites as Permanent Magnets. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3693-3704	5.6	14
15	Magnetism in CoFe ₂ O ₄ nanoparticles produced at sub- and near-supercritical conditions of water. <i>CrystEngComm</i> , 2017 , 19, 3986-3996	3.3	12
14	Structural stability and thermoelectric properties of cation- and anion-doped Mg ₂ Si _{0.4} Sn _{0.6} . <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 456-467	6.8	12
13	Electrochemical performance and structure of Al ₂ W ₃ MoxO ₁₂ . <i>CrystEngComm</i> , 2018 , 20, 1352-1360	3.3	12
12	Tuning the size and magnetic properties of Zn _x Co _{1-x} Fe ₂ O ₄ nanocrystallites. <i>Dalton Transactions</i> , 2016 , 45, 6439-48	4.3	12
11	Consequences of long-term water exposure for bulk crystal structure and surface composition/chemistry of nickel-rich layered oxide materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2020 , 470, 228370	8.9	10

10	Structural evolution and stability of Sc(WO) after discharge in a sodium-based electrochemical cell. <i>Dalton Transactions</i> , 2018 , 47, 1251-1260	4.3	10
9	Correlation between microstructure, cation distribution and magnetism in Ni _{1-x} Zn _x Fe ₂ O ₄ nanocrystallites. <i>CrystEngComm</i> , 2020 , 22, 515-524	3.3	10
8	Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1222-1230	7.8	9
7	Elucidating the relationship between nanoparticle morphology, nuclear/magnetic texture and magnetic performance of sintered SrFeO magnets. <i>Nanoscale</i> , 2020 , 12, 9481-9494	7.7	9
6	Multi-temperature structure of thermoelectric Mg ₂ Si and Mg ₂ Sn. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 1158-1163	1.8	8
5	Exploring the direct synthesis of exchange-spring nanocomposites by reduction of CoFeO spinel nanoparticles using in situ neutron diffraction. <i>Nanoscale</i> , 2020 , 12, 9440-9451	7.7	4
4	Electrochemically activated solid synthesis: an alternative solid-state synthetic method. <i>Dalton Transactions</i> , 2018 , 47, 14604-14611	4.3	4
3	Strategies for the Analysis of Graphite Electrode Function. <i>Advanced Energy Materials</i> , 2021 , 11, 2102693	1.8	3
2	Local and long-range atomic/magnetic structure of non-stoichiometric spinel iron oxide nanocrystallites. <i>IUCrJ</i> , 2021 , 8, 33-45	4.7	3
1	The Sc ₂ W _x Mo _{3-x} O ₁₂ series as electrodes in alkali-ion batteries. <i>CrystEngComm</i> , 2021 , 23, 3880-3891	3.3	1