Henrik Lyder Andersen

List of Publications by Year in Descending Order

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	Strategies for the Analysis of Graphite Electrode Function. *Advanced Energy Materials*, **2021**, 11, 2102693	21.8	3
26	Local and long-range atomic/magnetic structure of non-stoichiometric spinel iron oxide nanocrystallites. *IUCrJ*, **2021**, 8, 33-45	4.7	3
25	The Sc2WxMo3□O12 series as electrodes in alkali-ion batteries. *CrystEngComm*, **2021**, 23, 3880-3891	3.3	1
24	Consequences of long-term water exposure for bulk crystal structure and surface composition/chemistry of nickel-rich layered oxide materials for Li-ion batteries. *Journal of Power Sources*, **2020**, 470, 228370	8.9	10
23	Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. *Materials Chemistry Frontiers*, **2020**, 4, 1222-1230	7.8	9
22	Elucidating the relationship between nanoparticle morphology, nuclear/magnetic texture and magnetic performance of sintered SrFeO magnets. *Nanoscale*, **2020**, 12, 9481-9494	7.7	9
21	Correlation between microstructure, cation distribution and magnetism in Ni1□ZnxFe2O4 nanocrystallites. *CrystEngComm*, **2020**, 22, 515-524	3.3	10
20	Exploring the direct synthesis of exchange-spring nanocomposites by reduction of CoFeO spinel nanoparticles using in situ neutron diffraction. *Nanoscale*, **2020**, 12, 9440-9451	7.7	4
19	Enhanced intrinsic saturation magnetization of ZnxCo1□Fe2O4 nanocrystallites with metastable spinel inversion. *Materials Chemistry Frontiers*, **2019**, 3, 668-679	7.8	15
18	Electrochemical performance and structure of Al2W3□MoxO12. *CrystEngComm*, **2018**, 20, 1352-1360	3.3	12
17	Structural evolution and stability of Sc(WO) after discharge in a sodium-based electrochemical cell. *Dalton Transactions*, **2018**, 47, 1251-1260	4.3	10
16	Pitfalls and reproducibility ofin situsynchrotron powder X-ray diffraction studies of solvothermal nanoparticle formation. *Journal of Applied Crystallography*, **2018**, 51, 526-540	3.8	20
15	Approaching Ferrite-Based Exchange-Coupled Nanocomposites as Permanent Magnets. *ACS Applied Nano Materials*, **2018**, 1, 3693-3704	5.6	14
14	Crystalline and magnetic structure-property relationship in spinel ferrite nanoparticles. *Nanoscale*, **2018**, 10, 14902-14914	7.7	69
13	Electrochemically activated solid synthesis: an alternative solid-state synthetic method. *Dalton Transactions*, **2018**, 47, 14604-14611	4.3	4
12	Nanoengineered High-Performance Hexaferrite Magnets by Morphology-Induced Alignment of Tailored Nanoplatelets. *ACS Applied Nano Materials*, **2018**, 1, 6938-6949	5.6	26
11	Coercivity enhancement of strontium hexaferrite nano-crystallites through morphology controlled annealing. *Materialia*, **2018**, 4, 203-210	3.2	15

10	Enhancement of magnetic properties by spark plasma sintering of hydrothermally synthesised SrFe12O19. *CrystEngComm*, **2017**, 19, 1400-1407	3.3	18
9	Magnetism in CoFe2O4 nanoparticles produced at sub- and near-supercritical conditions of water. *CrystEngComm*, **2017**, 19, 3986-3996	3.3	12
8	Structural stability and thermoelectric properties of cation- and anion-doped Mg2Si0.4Sn0.6. *Inorganic Chemistry Frontiers*, **2017**, 4, 456-467	6.8	12
7	Multi-temperature structure of thermoelectric Mg2Si and Mg2Sn. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2017**, 73, 1158-1163	1.8	8
6	Unraveling structural and magnetic information during growth of nanocrystalline SrFe12O19. *Journal of Materials Chemistry C*, **2016**, 4, 10903-10913	7.1	25
5	Tuning the size and magnetic properties of ZnxCo□kFe□O□ nanocrystallites. *Dalton Transactions*, **2016**, 45, 6439-48	4.3	12
4	The chemistry of ZnWO nanoparticle formation. *Chemical Science*, **2016**, 7, 6394-6406	9.4	26
3	In situ powder X-ray diffraction study of magnetic CoFe2O4 nanocrystallite synthesis. *Nanoscale*, **2015**, 7, 3481-90	7.7	43
2	Mechanisms for iron oxide formation under hydrothermal conditions: an in situ total scattering study. *ACS Nano*, **2014**, 8, 10704-14	16.7	65
1	Size and Size Distribution Control of □Fe2O3 Nanocrystallites: An in Situ Study. *Crystal Growth and Design*, **2014**, 14, 1307-1313	3.5	31