Henrik Lyder Andersen

List of Publications by Year
in descending order

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29	722	516215	525886
papers	citations	16 h-index	27 g-index

29	29	29	891
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystalline and magnetic structureâ€“property relationship in spinel ferrite nanoparticles. Nanoscale, 2018, 10, 14902-14914.	2.8	106
2	Mechanisms for Iron Oxide Formation under Hydrothermal Conditions: An in Situ Total Scattering Study. ACS Nano, 2014, 8, 10704-10714.	7.3	75
3	In situ powder X-ray diffraction study of magnetic CoFe₂O₄ nanocrystallite synthesis. Nanoscale, 2015, 7, 3481-3490.	2.8	49
4	Strategies for the Analysis of Graphite Electrode Function. Advanced Energy Materials, 2021, 11, 2102693.	10.2	47
5	Nanoengineered High-Performance Hexaferrite Magnets by Morphology-Induced Alignment of Tailored Nanoplatelets. ACS Applied Nano Materials, 2018, 1, 6938-6949.	2.4	36
6	The chemistry of ZnWO₄ nanoparticle formation. Chemical Science, 2016, 7, 6394-6406.	3.7	35
7	Size and Size Distribution Control of Î³-Fe₂O₃ Nanocrystallites: An in Situ Study. Crystal Growth and Design, 2014, 14, 1307-1313.	1.4	33
8	Unraveling structural and magnetic information during growth of nanocrystalline SrFe₁₂O₁₉. Journal of Materials Chemistry C, 2016, 4, 10903-10913.	2.7	30
9	Enhanced intrinsic saturation magnetization of Zn_xCo_{1â^'x}Fe₂O₄ nanocrystallites with metastable spinel inversion. Materials Chemistry Frontiers, 2019, 3, 668-679.	3.2	29
10	Pitfalls and reproducibility ofin situsynchrotron powder X-ray diffraction studies of solvothermal nanoparticle formation. Journal of Applied Crystallography, 2018, 51, 526-540.	1.9	26
11	Coercivity enhancement of strontium hexaferrite nano-crystallites through morphology controlled annealing. Materialia, 2018, 4, 203-210.	1.3	25
12	Approaching Ferrite-Based Exchange-Coupled Nanocomposites as Permanent Magnets. ACS Applied Nano Materials, 2018, 1, 3693-3704.	2.4	25
13	Enhancement of magnetic properties by spark plasma sintering of hydrothermally synthesised SrFe₁₂O₁₉. CrystEngComm, 2017, 19, 1400-1407.	1.3	21
14	Elucidating the relationship between nanoparticle morphology, nuclear/magnetic texture and magnetic performance of sintered SrFe₁₂O₁₉ magnets. Nanoscale, 2020, 12, 9481-9494.	2.8	20
15	Correlation between microstructure, cation distribution and magnetism in Ni_{1â^'x}Zn_xFe₂O₄ nanocrystallites. CrystEngComm, 2020, 22, 515-524.	1.3	18
16	Local and long-range atomic/magnetic structure of non-stoichiometric spinel iron oxide nanocrystallites. IUCrJ, 2021, 8, 33-45.	1.0	18
17	Tuning the size and magnetic properties of Zn_xCo_{1â^'x}Fe₂O₄ nanocrystallites. Dalton Transactions, 2016, 45, 6439-6448.	1.6	17
18	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.	4.0	17

#	Article	IF	Citations
19	Magnetism in CoFe₂O₄nanoparticles produced at sub- and near-supercritical conditions of water. CrystEngComm, 2017, 19, 3986-3996.	1.3	14
20	Structural stability and thermoelectric properties of cation- and anion-doped Mg₂Si_{0.4}Sn_{0.6}. Inorganic Chemistry Frontiers, 2017, 4, 456-467.	3.0	13
21	Electrochemical performance and structure of Al₂W_{3â^'x}Mo_xO₁₂. CrystEngComm, 2018, 20, 1352-1360.	1.3	13
22	Structural evolution and stability of Sc₂(WO₄)₃after discharge in a sodium-based electrochemical cell. Dalton Transactions, 2018, 47, 1251-1260.	1.6	12
23	Multi-temperature structure of thermoelectric Mg₂Si and Mg₂Sn. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 1158-1163.	0.5	11
24	Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. Materials Chemistry Frontiers, 2020, 4, 1222-1230.	3.2	11
25	Unexpectedly Large Contribution of Oxygen to Charge Compensation Triggered by Structural Disordering: Detailed Experimental and Theoretical Study on a Li₃NbO₄â€“NiO Binary System. ACS Central Science, 2022, 8, 775-794.	5.3	10
26	Exploring the direct synthesis of exchange-spring nanocomposites by reduction of CoFe2O4 spinel nanoparticles using in situ neutron diffraction. Nanoscale, 2020, 12, 9440-9451.	2.8	6
27	Electrochemically activated solid synthesis: an alternative solid-state synthetic method. Dalton Transactions, 2018, 47, 14604-14611.	1.6	4
28	The Sc2WxMo3â^'xO12 series as electrodes in alkali-ion batteries. CrystEngComm, 2021, 23, 3880-3891.	1.3	1
29	In situ reduction of as-prepared Î³-iron oxide nanoparticles. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s299-s299.	0.0	0