Matilde Saura-MÃºzquiz

List of Publications by Year
in descending order

24 papers	534 citations	687363 13 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	595 citing authors

#	Article	IF	Citations
1	Neutron diffraction study of the monoclinic â€“ tetragonalÂphase transition in NdNbO₄ and NdTaO₄. Dalton Transactions, 2021, 50, 11485-11497.	3.3	9
2	Effect of Long- and Short-Range Disorder on the Oxygen Ionic Conductivity of Tm₂(Ti_{2â€“x}Tm_x)O_{7â€“x/2} â€œStuffedâ€• Pyrochlores. Inorganic Chemistry, 2021, 60, 4517-4530.	4.0	14
3	Synthesis and Structure of Oxygen Deficient Lead-Technetium Pyrochlore, the First Example of a Valence V Technetium Oxide. Frontiers in Chemistry, 2021, 9, 706269.	3.6	2
4	Synthesis and Characterization of a Magnetic Ceramic Using an Easily Accessible Scale Setup. Journal of Chemical Education, 2021, 98, 2632-2637.	2.3	1
5	Average and local ordering of Yb2(Ti2-Yb)O7-/2 â€˜stuffedâ€™ pyrochlores: The development of a robust structural model. Journal of Solid State Chemistry, 2021, 302, 122412.	2.9	8
6	Uncorrelated magnetic domains in decoupled SrFe₁₂O₁₉/Co hard/soft bilayers. Journal Physics D: Applied Physics, 2021, 54, 054003.	2.8	3
7	Correlation between microstructure, cation distribution and magnetism in Ni_{1â€“x}Zn_xFe₂O₄ nanocrystallites. CrystEngComm, 2020, 22, 515-524.	2.6	18
8	Magnetic Property Enhancement of Spinel Mnâ€“Zn Ferrite through Atomic Structure Control. Inorganic Chemistry, 2020, 59, 11184-11192.	4.0	15
9	Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. Materials Chemistry Frontiers, 2020, 4, 1222-1230.	5.9	11
10	Elucidating the relationship between nanoparticle morphology, nuclear/magnetic texture and magnetic performance of sintered SrFe₁₂O₁₉ magnets. Nanoscale, 2020, 12, 9481-9494.	5.6	20
11	Controlling structural and magnetic properties of SrFe₁₂O₁₉ nanoplatelets by synthesis route and calcination time. Journal Physics D: Applied Physics, 2020, 53, 474002.	2.8	6
12	Enhanced intrinsic saturation magnetization of Zn_xCo_{1â€“x}Fe₂O₄ nanocrystallites with metastable spinel inversion. Materials Chemistry Frontiers, 2019, 3, 668-679.	5.9	29
13	Structure and magnetic properties of W-type hexaferrites. IUCrJ, 2019, 6, 492-499.	2.2	11
14	Nanoengineered High-Performance Hexaferrite Magnets by Morphology-Induced Alignment of Tailored Nanoplatelets. ACS Applied Nano Materials, 2018, 1, 6938-6949.	5.0	36
15	Coercivity enhancement of strontium hexaferrite nano-crystallites through morphology controlled annealing. Materialia, 2018, 4, 203-210.	2.7	25
16	Approaching Ferrite-Based Exchange-Coupled Nanocomposites as Permanent Magnets. ACS Applied Nano Materials, 2018, 1, 3693-3704.	5.0	25
17	Crystalline and magnetic structureâ€“property relationship in spinel ferrite nanoparticles. Nanoscale, 2018, 10, 14902-14914.	5.6	106
18	Enhancement of magnetic properties through morphology control of SrFe12O19 nanocrystallites. Scientific Reports, 2018, 8, 7325.	3.3	44

#	Article	IF	Citations
19	Enhancement of magnetic properties by spark plasma sintering of hydrothermally synthesised SrFe₁₂O₁₉. CrystEngComm, 2017, 19, 1400-1407.	2.6	21
20	Functional and Energy Materials. Neutron News, 2016, 27, 7-7.	0.2	0
21	Unraveling structural and magnetic information during growth of nanocrystalline SrFe₁₂O₁₉. Journal of Materials Chemistry C, 2016, 4, 10903-10913.	5.5	30
22	Magnetic Properties of Strontium Hexaferrite Nanostructures Measured with Magnetic Force Microscopy. Scientific Reports, 2016, 6, 25985.	3.3	39
23	Tuning the size and magnetic properties of Zn_xCo_{1â˜'x}Fe₂O₄ nanocrystallites. Dalton Transactions, 2016, 45, 6439-6448.	3.3	17
24	Improved performance of SrFe₁₂O₁₉bulk magnets through bottom-up nanostructuring. Nanoscale, 2016, 8, 2857-2866.	5.6	44