

Matilde Saura-MÃ¸zquiz

List of Publications by Year in descending order

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24
papers

534
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687363

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24
times ranked

595
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystalline and magnetic structureâ€“property relationship in spinel ferrite nanoparticles. <i>Nanoscale</i> , 2018, 10, 14902-14914.	5.6	106
2	Improved performance of SrFe ₁₂ O ₁₉ bulk magnets through bottom-up nanostructuring. <i>Nanoscale</i> , 2016, 8, 2857-2866.	5.6	44
3	Enhancement of magnetic properties through morphology control of SrFe ₁₂ O ₁₉ nanocrystallites. <i>Scientific Reports</i> , 2018, 8, 7325.	3.3	44
4	Magnetic Properties of Strontium Hexaferrite Nanostructures Measured with Magnetic Force Microscopy. <i>Scientific Reports</i> , 2016, 6, 25985.	3.3	39
5	Nanoengineered High-Performance Hexaferrite Magnets by Morphology-Induced Alignment of Tailored Nanoplatelets. <i>ACS Applied Nano Materials</i> , 2018, 1, 6938-6949.	5.0	36
6	Unraveling structural and magnetic information during growth of nanocrystalline SrFe ₁₂ O ₁₉ . <i>Journal of Materials Chemistry C</i> , 2016, 4, 10903-10913.	5.5	30
7	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.	5.9	29
8	Coercivity enhancement of strontium hexaferrite nano-crystallites through morphology controlled annealing. <i>Materialia</i> , 2018, 4, 203-210.	2.7	25
9	Approaching Ferrite-Based Exchange-Coupled Nanocomposites as Permanent Magnets. <i>ACS Applied Nano Materials</i> , 2018, 1, 3693-3704.	5.0	25
10	Enhancement of magnetic properties by spark plasma sintering of hydrothermally synthesised SrFe ₁₂ O ₁₉ . <i>CrystEngComm</i> , 2017, 19, 1400-1407.	2.6	21
11	Elucidating the relationship between nanoparticle morphology, nuclear/magnetic texture and magnetic performance of sintered SrFe ₁₂ O ₁₉ magnets. <i>Nanoscale</i> , 2020, 12, 9481-9494.	5.6	20
12	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.	2.6	18
13	Tuning the size and magnetic properties of Zn _x Co _{1-x} Fe ₂ O ₄ nanocrystallites. <i>Dalton Transactions</i> , 2016, 45, 6439-6448.	3.3	17
14	Magnetic Property Enhancement of Spinel Mnâ€“Zn Ferrite through Atomic Structure Control. <i>Inorganic Chemistry</i> , 2020, 59, 11184-11192.	4.0	15
15	Effect of Long- and Short-Range Disorder on the Oxygen Ionic Conductivity of Tm ₂ (Ti _{2-x} Tm _x)O ₇ â€“O Pyrochlores. <i>Inorganic Chemistry</i> , 2021, 60, 4517-4530.		14
16	Expanding the tunability and applicability of exchange-coupled/decoupled magnetic nanocomposites. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1222-1230.	5.9	11
17	Structure and magnetic properties of W-type hexaferrites. <i>IUCr</i> , 2019, 6, 492-499.	2.2	11
18	Neutron diffraction study of the monoclinic â€“ tetragonal phase transition in NdNbO ₄ and NdTaO ₄ . <i>Dalton Transactions</i> , 2021, 50, 11485-11497.	3.3	9

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19	Average and local ordering of Yb ₂ (Ti ₂ -Yb) ₇ O ₂₀ "stuffed" pyrochlores: The development of a robust structural model. Journal of Solid State Chemistry, 2021, 302, 122412.	2.9	8
20	Controlling structural and magnetic properties of SrFe ₁₂ O ₁₉ nanoplatelets by synthesis route and calcination time. Journal Physics D: Applied Physics, 2020, 53, 474002.	2.8	6
21	Uncorrelated magnetic domains in decoupled SrFe ₁₂ O ₁₉ /Co hard/soft bilayers. Journal Physics D: Applied Physics, 2021, 54, 054003.	2.8	3
22	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
23	Synthesis and Characterization of a Magnetic Ceramic Using an Easily Accessible Scale Setup. Journal of Chemical Education, 2021, 98, 2632-2637.	2.3	1
24	Functional and Energy Materials. Neutron News, 2016, 27, 7-7.	0.2	0