Christophe Lefevre

List of Publications by Year
in descending order

24	1,084	623734 14	642732 23
papers	citations	h-index	g-index

25	25	25	1909
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic Iron Oxide Nanoparticles: Reproducible Tuning of the Size and Nanosized-Dependent Composition, Defects, and Spin Canting. Journal of Physical Chemistry C, 2014, 118, 3795-3810.	3.1	250
2	Microstructural and Magnetic Investigations of WÃ¼stite-Spinel Core-Shell Cubic-Shaped Nanoparticles. Chemistry of Materials, 2011, 23, 2886-2900.	6.7	149
3	One pot synthesis of monodisperse water soluble iron oxide nanocrystals with high values of the specific absorption rate. Journal of Materials Chemistry B, 2014, 2, 4426.	5.8	127
4	Mastering the Shape and Composition of Dendronized Iron Oxide Nanoparticles To Tailor Magnetic Resonance Imaging and Hyperthermia. Chemistry of Materials, 2014, 26, 5252-5264.	6.7	105
5	High Exchange Bias in Fe_{3â^'Î´}O₄@CoO Core Shell Nanoparticles Synthesized by a One-Pot Seed-Mediated Growth Method. Journal of Physical Chemistry C, 2013, 117, 11436-11443.	3.1	66
6	Unravelling the Thermal Decomposition Parameters for The Synthesis of Anisotropic Iron Oxide Nanoparticles. Nanomaterials, 2018, 8, 881.	4.1	64
7	Coâ€“Ru/SiC impregnated with ethanol as an effective catalyst for the Fischerâ€“Tropsch synthesis. Applied Catalysis A: General, 2012, 419-420, 31-40.	4.3	58
8	Systematic Study of Exchange Coupling in Coreâ€“Shell Fe_{3â^'Î´}O₄@CoO Nanoparticles. Chemistry of Materials, 2015, 27, 4073-4081.	6.7	44
9	Spin Canting of Maghemite Studied by NMR and In-Field MÃ¶ssbauer Spectrometry. Journal of Physical Chemistry C, 2010, 114, 8794-8799.	3.1	43
10	Magnetic and Polar Propertiesâ€™ Optimization in the Magnetoelectric Ga_{2â€“x}Fe_xO₃ Compounds. Journal of Physical Chemistry C, 2013, 117, 14832-14839.	3.1	25
11	Low Oxidation State and Enhanced Magnetic Properties Induced by Raspberry Shaped Nanostructures of Iron Oxide. Journal of Physical Chemistry C, 2015, 119, 24665-24673.	3.1	25
12	Ultrabright Lanthanide Nanoparticles. ChemPlusChem, 2016, 81, 526-534.	2.8	20
13	Study of Ga(2â^'x)FexO3 solid solution: Optimisation of the ceramic processing. Journal of the European Ceramic Society, 2013, 33, 1029-1035.	5.7	19
14	Harnessing Composition of Iron Oxide Nanoparticle: Impact of Solvent-Mediated Ligandâ€“Ligand Interaction and Competition between Oxidation and Growth Kinetics. Chemistry of Materials, 2020, 32, 9245-9259.	6.7	15
15	Design, synthesis, characterization and properties of magnetic nanoparticleâ€“nanocarbon hybrids. Carbon, 2016, 96, 49-56.	10.3	13
16	Optical transitions in magnetoelectric Ga0.6Fe1.4O3 from 0.73 to 6.45 eV. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2012, 30, .	1.2	11
17	Effects of iron concentration and cationic site disorder on the optical properties of magnetoelectric gallium ferrite thin films. RSC Advances, 2013, 3, 3124.	3.6	11
18	Determination of the cationic distribution in oxidic thin films by resonant X-ray diffraction: the magnetoelectric compound Ga_{2â^'x}Fe_xO₃. Journal of Applied Crystallography, 2016, 49, 1308-1314.	4.5	10

#	Article	IF	Citations
19	Ultrathin regime growth of atomically flat multiferroic gallium ferrite films with perpendicular magnetic anisotropy. Physical Review Materials, 2019, 3, .	2.4	10
20	Stabilization of scandium rich spinel ferrite CoFe2â^'xScxO4 (xâ‰¤1) in thin films. Journal of Solid State Chemistry, 2015, 232, 118-122.	2.9	7
21	Raman scattering of magnetoelectric gallium ferrite thin films. Journal of Physics Condensed Matter, 2013, 25, 045401.	1.8	6
22	Spin Current Transport in Hybrid Pt/Multifunctional Magnetoelectric Ga_{0.6}Fe_{1.4}O₃ Bilayers. ACS Applied Electronic Materials, 2021, 3, 4433-4440.	4.3	4
23	Ultrabright Lanthanide Nanoparticles. ChemPlusChem, 2016, 81, 497-497.	2.8	2
24	Evidence of the Superparamagnetic State in the Zero-Field Microwave Susceptibility Spectra of Ferrimagnetic Nanoparticles. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	0