Hyunkyung Choi

List of Publications by Year
in descending order

48	351	840776 11	839539 18
papers	citations	h-index	g-index

48	48	48	330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic properties and the crystallization of amorphousFe75.4B14.2Si10.4. Physical Review B, 1981, 24, 6600-6609.	3.2	49
2	Easy synthesis and characterization of Î³â€Fe2O3 nanoparticles for biomedical applications. Journal of Applied Physics, 2005, 97, 10Q909.	2.5	30
3	Magnetic properties of Ni substituted Y-type barium ferrite. Journal of Applied Physics, 2014, 115, .	2.5	28
4	MÃ¶ssbauer study of (Fe1â^'xNix)7Se8. Physical Review B, 1993, 48, 3212-3215.	3.2	22
5	Atomic migration in MgFe2â^'xCrxO4. Journal of Applied Physics, 2000, 87, 6238-6240.	2.5	19
6	Phase-controlled synthesis of thermally stable nitrogen-doped carbon supported iron catalysts for highly efficient Fischer-Tropsch synthesis. Nano Research, 2019, 12, 2568-2575.	10.4	18
7	Neutron Diffraction and M?ssbauer Studies of LiFePO4. Journal of the Korean Physical Society, 2011, 58, 472-475.	0.7	15
8	Investigation of Magnetic Properties of Zn Doped Y-Type Barium Ferrite. IEEE Transactions on Magnetics, 2013, 49, 4192-4195.	2.1	14
9	Effect of Ni substitution on Y-type barium ferrite. Journal of Applied Physics, 2013, 113, 17D906.	2.5	14
10	Crystallographic and magnetic properties of the spinel phase for NixFe1â^'xCr2S4. Journal of Applied Physics, 1993, 73, 6986-6988.	2.5	13
11	The crystal structure and magnetic properties of Ba2â^'xSrxCo2Fe12O22. Journal of Applied Physics, 2014, 115, .	2.5	13
12	Crystallographic and magnetic properties of the hyperthermia material CoFe2O4@AlFe2O4. Journal of the Korean Physical Society, 2017, 70, 173-176.	0.7	11
13	Site Preference for Fe in Zn-Doped Y-Type Barium Hexaferrite. IEEE Transactions on Magnetics, 2012, 48, 3414-3417.	2.1	10
14	Structural Evolution of Atomically Dispersed Fe Species in Feâ€"N/C Catalysts Probed by X-ray Absorption and ⁵⁷Fe MÃ¶ssbauer Spectroscopies. Journal of Physical Chemistry C, 2021, 125, 11928-11938.	3.1	9
15	Crystalline structure and magnetic properties of pyrite FeS2. AIP Advances, 2021, 11, 015131.	1.3	9
16	Survival of Verwey transition in gadolinium-doped ultrasmall magnetite nanoparticles. Nanoscale, 2017, 9, 13976-13982.	5.6	8
17	Synthesis and characterization of Co-Zn ferrite nanoparticles for application to magnetic hyperthermia. Journal of the Korean Physical Society, 2017, 70, 89-92.	0.7	7
18	Examination of the magnetic hyperthermia and other magnetic properties of CoFe2O4@MgFe2O4 nanoparticles using external field MÃ¶ssbauer spectroscopy. AIP Advances, 2018, 8, .	1.3	7

#	Article	IF	Citations
19	Mnâ€“Zn ferrite nanoparticles for application in magnetic hyperthermia. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 445-454.	1.5	7
20	Crystallographic and MÃ¶ssbauer studies of CoFeCrO4. Journal of Magnetism and Magnetic Materials, 2002, 239, 76-78.	2.3	5
21	Effect of Mg Shallow Doping on Structural and Magnetic Properties of LiFePO₄ Triphylite. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	5
22	Magnetic properties of polycrystalline Y-type hexaferrite Ba2-xSrxNi2(Fe1-yAly)12O22 using MÃ¶ssbauer spectroscopy. AIP Advances, 2020, 10, .	1.3	5
23	MÃ¶ssbauer studies of Y-type hexaferrite with aluminum doping. Journal of the Korean Physical Society, 2013, 62, 1815-1818.	0.7	4
24	Mn doping on MÃ¶ssbauer spectroscopy of maricite-NaFePO4 as cathode material. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 427-432.	1.5	4
25	Magnetic properties and hyperthermia of Zn-doped Fe3O4 nanoparticles with plasma treatment. Journal of the Korean Physical Society, 2018, 72, 243-248.	0.7	3
26	Magnetic properties of mixed sodium-lithium iron fluorophosphate NaLiFePO4F cathode material. AIP Advances, 2018, 8, 101428.	1.3	3
27	Crystal structure and magnetic properties of Li1-xNaxFePO4 based on MÃ¶ssbauer spectroscopy. AIP Advances, 2017, 7, 055715.	1.3	2
28	Crystal Structure and Magnetic Properties of Sodium-Iron Phosphates NaFe0.9Mn0.1PO4 Cathode Material. Journal of the Korean Physical Society, 2018, 73, 1863-1866.	0.7	2
29	Magnetic Properties and Hyperfine Interaction of BaSrCo2(Fe1â^'xAlx)12O22 Hexaferrite. Journal of the Korean Physical Society, 2018, 73, 1679-1683.	0.7	2
30	Provenance Studies for Prehistoric Obsidian by Using MÃ¶ssbauer Spectroscopy. Journal of the Korean Physical Society, 2020, 77, 253-257.	0.7	2
31	Na₂Fe_{0.9}Mn_{0.1}PO₄F Composite as Cathode Material: Structural, Magnetic, and MÃ¶ssbauer Studies. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	2
32	MÃ¶ssbauer studies on magnetism in FeSe. AIP Advances, 2021, 11, 015114.	1.3	2
33	Study of Hyperthermia Through the Bioplasma Treatment and Magnetic Properties of Fe₃O₄ Nanoparticles. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1
34	Characterization of partially-inverted zinc ferrite with a bio-plasma treatment. Journal of the Korean Physical Society, 2016, 69, 847-851.	0.7	1
35	MÃ¶ssbauer studies on cation distributions and superexchange interactions in Cu0.2Fe2.8O4. Journal of the Korean Physical Society, 2016, 68, 403-408.	0.7	1
36	Determination of the Magnetic Structure and Properties of the FeS Compound by using MÃ¶ssbauer Spectroscopy. Journal of the Korean Physical Society, 2020, 77, 898-902.	0.7	1

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37	Delithiated Fe1-xMgxPO4 cathode materials: Structural, magnetic, and MÃ¶ssbauer studies. AIP Advances, 2020, 10, 015214.	1.3	1
38	Magnetic, MÃ¶ssbauer and hyperthermia properties of Co1â^'xMnxFe2O4 nanoparticles. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 433.	1.5	1
39	MÃ¶ssbauer studies and inductive thermal properties of Mgx-doped maghemite nanoparticles. Journal of the Korean Physical Society, 2022, 80, 1148-1152.	0.7	1
40	Investigation of spin-orientation in antiferromagnetic ordering for LiFe1-xZnxPO4 with MÃ¶ssbauer spectroscopy. AIP Advances, 2018, 8, .	1.3	0
41	Magnetic Properties and MÃ¶ssbauer Studies of Fe3O4 Substituted with Gd Ions. Journal of the Korean Physical Society, 2018, 73, 112-116.	0.7	0
42	MÃ¶ssbauer Studies of LixFe1/3Mn1/3Ni1/3PO4 Cathode Materials. Journal of Electronic Materials, 2019, 48, 1335-1341.	2.2	0
43	Superparamagnetic Hyperfine Relaxation in Zn0.75Ni0.25Fe2O4. Journal of the Korean Physical Society, 2020, 76, 976-979.	0.7	0
44	Investigation on the magnetic and MÃ¶ssbauer spectroscopy of 57Fe doped LiMnPO4. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 461.	1.5	0
45	MÃ¶ssbauer and magnetic properties of Ba2Co1.7Mg0.3Fe12O22. Journal of the Korean Physical Society, 2021, 79, 557-561.	0.7	0
46	MÃ¶ssbauer studies of Zn0.05Fe2.95O4 nanoparticles. Journal of the Korean Physical Society, 2020, 77, 893-897.	0.7	0
47	Investigation of Mg-Doped Y-Type Barium Hexaferrite Using MÃ¶ssbauer Spectroscopy. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	0
48	Synthesis and MÃ¶ssbauer studies of tavorite-structured LiFePO4F. Journal of the Korean Physical Society, 0, , 1.	0.7	0