Kiminami, Rhga

List of Publications by Year
in descending order

122 papers	3,022 citations	159585 30 h-index	189892 50 g-index
126 all docs	126 docs citations	126 times ranked	3193 citing authors

#	Article	IF	Citations
1	Crystallization kinetic and structural characterization of lead-free piezoelectric 0.94(Na0.5Bi0.5)TiO3-0.06BaTiO3 by polymeric precursor method. Materials Chemistry and Physics, 2022, 277, 125494.	4.0	0
2	Biphasic 0.8BaTiO3/0.2Ni(1-x)CoxFe2O4 nanopowders by in situ sol-gel synthesis. Ceramica, 2022, 68, 67-74.	0.8	0
3	A novel synthesis route to obtain magnetic nanocrystalline cobalt ferrite with photo-Fenton activity. Materials Chemistry and Physics, 2021, 257, 123741.	4.0	12
4	Enhancing the stabilization of nanostructured rocksalt-like high entropy oxide by Gd addition. Materials Letters, 2021, 285, 129175.	2.6	12
5	Microwave hybrid fast sintering of red clay ceramics. International Journal of Applied Ceramic Technology, 2021, 18, 705-715.	2.1	4
6	Biodiesel production evaluating the use and reuse of magnetic nanocatalysts Ni0.5Zn0.5Fe2O4 synthesized in pilot-scale. Arabian Journal of Chemistry, 2020, 13, 3026-3042.	4.9	75
7	Catalytic performance of NiFe2O4 and Ni0.3Zn0.7Fe2O4 magnetic nanoparticles during biodiesel production. Arabian Journal of Chemistry, 2020, 13, 4462-4476.	4.9	52
8	Microstructure and dielectric properties of hexagonal boron nitride prepared by hot pressing (uniaxial and isostatic) and by spark plasma sintering. Advances in Applied Ceramics, 2020, 119, 41-48.	1.1	5
9	Short time reaction synthesis of nano-hexagonal boron nitride. Advanced Powder Technology, 2020, 31, 4436-4443.	4.1	6
10	Structural, textural, morphological, magnetic and electromagnetic study of Cu-doped NiZn ferrite synthesized by pilot-scale combustion for RAM application. Arabian Journal of Chemistry, 2020, 13, 8100-8118.	4.9	9
11	Effect of microwave heating during evaporation solvent and polymeric precursor formation in synthesis of BaZr0.08Ti0.92O3 nanopowders. Journal of Solid State Chemistry, 2020, 291, 121586.	2.9	3
12	Evaluation of the catalytic effect of ZnO as a secondary phase in the Ni0.5Zn0.5Fe2O4 system and of the stirring mechanism on biodiesel production reaction. Arabian Journal of Chemistry, 2020, 13, 5788-5799.	4.9	13
13	A case study of ceramic processing: Microstructural development and electrical properties of Ce0.8Gd0.2O1.9. Ceramics International, 2020, 46, 12318-12328.	4.8	4
14	Microwave sintering of a nanostructured low-level additive ZnO-based varistor. Ceramics International, 2020, 46, 15044-15053.	4.8	22
15	Microwave assisted sintering of nanocristalline PMN-PT/CoFe2O4 prepared by rapid one pot pechini synthesis: Dielectric and magnetoelectric characteristics. Ceramics International, 2019, 45, 7906-7915.	4.8	12
16	Simultaneous two-phase formation model in synthesized SBN/NFO using the in-situ modified Pechini method. Ceramics International, 2019, 45, 8593-8599.	4.8	3
17	Microwave synthesis of ultra-high temperature ceramic ZrC nanopowders. Advanced Powder Technology, 2019, 30, 1348-1355.	4.1	14
18	Effect of the CoFe 2 O 4 initial particle size when sintered by microwave on the microstructural, dielectric, and magnetic properties. International Journal of Applied Ceramic Technology, 2019, 16, 2073-2084.	2.1	5

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19	Solution blow spun spinel ferrite and highly porous silica nanofibers. Ceramics International, 2018, 44, 10984-10989.	4.8	15
20	Synthesis and structural, magnetic characterization of nanocrystalline Zn1-xCoxO diluted magnetic semiconductors (DMS) synthesized by combustion reaction. Ceramics International, 2018, 44, 4126-4131.	4.8	17
21	Effect of the surface treatment on the structural, morphological, magnetic and biological properties of MFe2O4 iron spinels (Mâ€¯=â€¯Cu, Ni, Co, Mn and Fe). Applied Surface Science, 2018, 455, 635-645.	6.1	36
22	Optimization of parameters in the synthesis of 0.90Pb(Zn1/3Nb2/3)O3â€“0.10PbTiO3 (PZN-10PT) powders obtained by the mixed oxides method. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2017, 56, 13-18.	1.9	1
23	In situ sol-gel co-synthesis at as low hydrolysis rate and microwave sintering of PZT/Fe 2 CoO 4 magnetoelectric composite ceramics. Ceramics International, 2017, 43, 5925-5933.	4.8	13
24	Effect of atmosphere on the formation of perovskite phase in 0.90Pb(Zn1/3Nb2/3)O3-0.10PbTiO3 (PZN-10PT) powders. Materials Chemistry and Physics, 2017, 190, 102-107.	4.0	2
25	Fast synthesis of porous chromium carbide by microwave-assisted carbothermal reduction. Ceramics International, 2017, 43, 10614-10618.	4.8	12
26	Two-step microwave sintering of nanostructured ZnO-based varistors. Ceramics International, 2017, 43, 847-853.	4.8	29
27	SÃntese in situ pelo mÃ©todo Pechini para obtenÃ§Ã£o do compÃ³sito SBN61/NFO sem crescimento anormal de grÃ£o. Ceramica, 2017, 63, 478-484.	0.8	0
28	Nanoparticles of ZnO Doped With Mn: Structural and Morphological Characteristics. Materials Research, 2017, 20, 1044-1049.	1.3	17
29	Synthesis of Nanocrystalline Boron Carbide by Direct Microwave Carbothermal Reduction of Boric Acid. Journal of Nanomaterials, 2017, 2017, 1-8.	2.7	17
30	SÃntese e caracterizaÃ§Ã£o do ferroespinÃ©lio Ni0,7Zn0,3Fe2O4: avaliaÃ§Ã£o de desempenho na esterificaÃ§Ã£o metÃlica e etÃlica. Ceramica, 2017, 63, 223-232.	0.8	3
31	InfluÃªncia do teor de Zn2+ nas caracterÃsticas morfolÃ³gicas e magnÃ©ticas de ferritas Mn1-xZnxFe2O4 sintetizados em grande escala por reaÃ§Ã£o de combustÃ£o. Ceramica, 2017, 63, 210-215.	0.8	1
32	SinterizaÃ§Ã£o ultrarrÃ¡pida por micro-ondas de compÃ³sitos particulados PZT/FCO preparados por mistura em ultrassom. Ceramica, 2017, 63, 376-386.	0.8	0
33	Microwave Assisted Combustion Synthesis and Characterization of Nanocrystalline Nickel-doped Cobalt Ferrites. Materials Research, 2016, 19, 27-32.	1.3	24
34	Microwave-assisted Synthesis of a ZrC-SiC Nanocomposite by Carbothermal Reduction and its Effect on Mean Particle Size. Materials Research, 2016, 19, 47-51.	1.3	3
35	Estudo do efeito da diluiÃ§Ã£o nas propriedades microestruturais e magnÃ©ticas de ferritas Mn0,65Zn0,35Fe2O4 por reaÃ§Ã£o de combustÃ£o. Ceramica, 2016, 62, 370-375.	0.8	1
36	Structural and dielectric properties of multiferroic (1-x)(0.675PMN-0.325PT)/(x)CoFe2O4particulate composites obtained by microwave sintering. Integrated Ferroelectrics, 2016, 174, 146-154.	0.7	2

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37	In situ solâ€“gel co-synthesis under controlled pH and microwave sintering of PZT/CoFe 2 O 4 magnetoelectric composite ceramics. Ceramics International, 2016, 42, 3239-3249.	4.8	30
38	Synthesis of spinel cobalt oxide nanoparticles using a modified polymeric precursor method. Advanced Powder Technology, 2016, 27, 1056-1061.	4.1	20
39	Structural, Morphological and Magnetic Characterization Zn1-XCoxO Composed Obtained by Combustion Reaction. Revista Virtual De Quimica, 2016, 8, 1805-1817.	0.4	1
40	Evaluation of the Influence of MgO and La2O3 on the Fast Sintering of Mullite. Materials Research, 2015, 18, 42-53.	1.3	8
41	SinterizaÃ§Ã£o ultra-rÃ¡pida de pÃ³s submicromÃ©tricos de CoFe2O4 por micro-ondas. Ceramica, 2014, 60, 57-62.	0.8	0
42	SÃntese por reaÃ§Ã£o por combustÃ£o de nanopÃ³s de hexaferrita de estrÃ´ncio dopada com cromo. Ceramica, 2014, 60, 254-258.	0.8	3
43	Microwave sintering of mullite-Al2O3 from kaolin precursor. Materials Research, 2014, 17, 1575-1580.	1.3	7
44	Study of Temperature Sintering by Microwave Energy in Ferrites Ni_{0,5}Zn_{0,5}Fe₂O₄. Materials Science Forum, 2014, 775-776, 410-414.	0.3	1
45	Synthesis, Characterization and Catalytic Performance of Nanoferrites Subjected to the Esterification Reaction. Materials Science Forum, 2014, 775-776, 421-426.	0.3	3
46	Synthesis of silicon nitride by conventional and microwave carbothermal reduction and nitridation of rice hulls. Advanced Powder Technology, 2014, 25, 654-658.	4.1	27
47	Effect of heating rate on microwave sintering of nanocrystalline zinc oxide. Ceramics International, 2014, 40, 10667-10675.	4.8	23
48	Synthesis and structural, magnetic characterization of nanocrystalline Zn1â^'xMnxO diluted magnetic semiconductors (DMSs) synthesized by combustion reaction. Ceramics International, 2014, 40, 6553-6559.	4.8	19
49	Synthesis of Cr2O3 nanoparticles via thermal decomposition of polyacrylate/chromium complex. Materials Letters, 2014, 129, 54-56.	2.6	27
50	Nanosilica synthesized by the Pechini method for potential application as a catalytic support. Ceramics International, 2014, 40, 2035-2039.	4.8	9
51	DensificaciÃ³n de cerÃ¡micas de PZN-10PT a partir de polvos sintetizados por el mÃ©todo de reacciÃ³n por combustiÃ³n. IngenierÂa Y Ciencia, 2014, 10, 11-21.	0.3	2
52	Synthesis of TiO2 by the pechini method and photocatalytic degradation of methyl red. Materials Research, 2013, 16, 468-472.	1.3	35
53	SinterizaÃ§Ã£o por micro-ondas de ferrita de nÃquel sintetizada pelo mÃ©todo Pechini. Ceramica, 2013, 59, 360-365.	0.8	6
54	SinterizaÃ§Ã£o ultrarrÃ¡pida por micro-ondas do compÃ³sito mulita-cordierita. Ceramica, 2013, 59, 129-133.	0.8	1

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55	Use of Ni-Zn ferrites doped with Cu as catalyst in the transesterification of soybean oil to methyl esters. Materials Research, 2013, 16, 625-627.	1.3	26
56	ObtenciÃ³n de polvos cerÃ¡micos de BNKT-KNN por el mÃ©todo Pechini. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2013, 52, IX-XIV.	1.9	2
57	ObtenciÃ³n de polvos cerÃ¡micos de BNKT-KNN por el mÃ©todo Pechini. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2013, 52, 231-236.	1.9	0
58	Combustion synthesis of PZN-10PT nanopowders. International Journal of Self-Propagating High-Temperature Synthesis, 2012, 21, 11-18.	0.5	0
59	High-temperature diametral compression strength of microwave-sintered mullite. Journal of the European Ceramic Society, 2011, 31, 2819-2826.	5.7	12
60	NiAl2O4 catalysts prepared by combustion reaction using glycine as fuel. Materials Research Bulletin, 2011, 46, 1409-1413.	5.2	13
61	Microwave sintering of cordierite precursor green bodies prepared by starch consolidation. Ceramics International, 2011, 37, 1237-1243.	4.8	13
62	Effect of Y2O3 additive on conventional and microwave sintering of mullite. Ceramics International, 2011, 37, 241-248.	4.8	47
63	Nanostructure Evolution of ZnO in Ultra-fast Microwave Sintering. Materials Science Forum, 2011, 691, 65-71.	0.3	2
64	Electric force microscopy investigations of barrier formations in ZnO-based varistors. Journal of the European Ceramic Society, 2010, 30, 549-554.	5.7	18
65	Microwave fast sintering of submicrometer alumina. Materials Research, 2010, 13, 345-350.	1.3	18
66	Ni-Zn Nanoferrites Synthesized by Microwave Energy: Influence of Exposure Time and Power. Materials Science Forum, 2010, 660-661, 910-915.	0.3	6
67	Effect of urea and glycine fuels on the combustion reaction synthesis of Mnâ€“Zn ferrites: Evaluation of morphology and magnetic properties. Journal of Alloys and Compounds, 2010, 495, 503-505.	5.5	70
68	Uso de resÃduo da produÃ§Ã£o de alumina eletrofundida na produÃ§Ã£o de blocos e telhas cerÃ¢micos. Ceramica, 2010, 56, 244-249.	0.8	4
69	SÃntese, por reaÃ§Ã£o de combustÃ£o em forno de microondas, de nanoferritas de nÃquel dopadas com cromo. Ceramica, 2009, 55, 78-83.	0.8	6
70	Sintering of commercial mulite powder: Effect of MgO dopant. Journal of Materials Processing Technology, 2009, 209, 548-553.	6.3	27
71	Synthesis of the Niâ€“Znâ€“Sm ferrites using microwaves energy. Journal of Alloys and Compounds, 2009, 483, 37-39.	5.5	18
72	Influence of calcination temperature on the morphology and magnetic properties of Niâ€“Zn ferrite applied as an electromagnetic energy absorber. Journal of Alloys and Compounds, 2009, 483, 563-565.	5.5	40

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73	Synthesis and characterization of the NiAl2O4, CoAl2O4 and ZnAl2O4 spinels by the polymeric precursors method. Journal of Alloys and Compounds, 2009, 483, 453-455.	5.5	102
74	Synthesis of a NiFe2O4 catalyst for the preferential oxidation of carbon monoxide (PROX). Journal of Alloys and Compounds, 2009, 483, 399-401.	5.5	23
75	Structural and magnetic properties of chromium-doped ferrite nanopowders. Journal of Alloys and Compounds, 2009, 483, 655-657.	5.5	16
76	Argilas bentonÃticas de Cubati, ParaÃba, Brasil: CaracterizaÃ§Ã£o fÃsica-mineralÃ³gica. Ceramica, 2009, 55, 163-169.	0.8	22
77	Microwave sintering of aluminaâ€“zirconia nanocomposites. Journal of Materials Processing Technology, 2008, 203, 513-517.	6.3	91
78	Niâ€“Znâ€“Sm nanopowder ferrites: Morphological aspects and magnetic properties. Journal of Magnetism and Magnetic Materials, 2008, 320, 742-749.	2.3	69
79	Magnetic and structural properties of NiFe2O4 ferrite nanopowder doped with Zn2+. Journal of Magnetism and Magnetic Materials, 2008, 320, e370-e372.	2.3	86
80	Brown pigment of the nanopowder spinel ferrite prepared by combustion reaction. Journal of the European Ceramic Society, 2008, 28, 2033-2037.	5.7	71
81	An AFM/EFM Study of the Grain Boundary in ZnOâ€Based Varistor Materials. Journal of the American Ceramic Society, 2008, 91, 3593-3598.	3.8	8
82	Ceramic system based on ZnOâ€“CuOâ€“glass. Materials Letters, 2008, 62, 335-337.	2.6	10
83	ObtenÃ§Ã£o de mulita porosa a partir da sÃlica da casca de arroz e do acetato de alumÃnio. Ceramica, 2008, 54, 245-252.	0.8	12
84	AvaliaÃ§Ã£o da microestrutura e das propriedades magnÃ©ticas de ferritas Ni-Zn dopadas com cobre. Ceramica, 2008, 54, 55-62.	0.8	7
85	SinterizaÃ§Ã£o de cerÃ¢micas em microondas. Parte III: SinterizaÃ§Ã£o de zircÃ´nia, mulita e alumina. Ceramica, 2007, 53, 218-226.	0.8	8
86	SinterizaÃ§Ã£o de cerÃ¢micas em microondas. Parte II: sinterizaÃ§Ã£o de varistores ZnO-CuO, ferrita e porcelanas. Ceramica, 2007, 53, 108-115.	0.8	10
87	SinterizaÃ§Ã£o de cerÃ¢micas em microondas. Parte I: aspectos fundamentais. Ceramica, 2007, 53, 1-10.	0.8	28
88	Synthesizing Al2O3/SiC in a microwave oven: A study of process parameters. Ceramics International, 2007, 33, 67-71.	4.8	18
89	Microwave hybrid fast sintering of porcelain bodies. Journal of Materials Processing Technology, 2007, 190, 223-229.	6.3	99
90	Microstructural characterization using the Rietveld method in lead lanthanum titanate ceramics system produced by combustion synthesis. Journal of the European Ceramic Society, 2007, 27, 3719-3721.	5.7	9

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91	Magnetic and structural properties of nanosize Niâ€“Znâ€“Cr ferrite particles synthesized by combustion reaction. Journal of Magnetism and Magnetic Materials, 2007, 317, 29-33.	2.3	47
92	X-Ray diffraction and mÃ¶ssbauer spectra of nickel ferrite prepared by combustion reaction. Journal of Materials Science, 2007, 42, 3603-3606.	3.7	67
93	Microstructure and magnetic properties of Ni1â^'xZnxFe2O4 synthesized by combustion reaction. Journal of Materials Science, 2007, 42, 779-783.	3.7	41
94	SÃntese e caracterizaÃ§Ã£o de nanopartÃculas de TiO2. Ceramica, 2006, 52, 255-259.	0.8	33
95	Photophysical properties of Eu3+ and Tb3+-doped ZnAl2O4 phosphors obtained by combustion reaction. Journal of Materials Science, 2006, 41, 4744-4748.	3.7	77
96	Preparation of nanostructured NiFe2O4 catalysts by combustion reaction. Journal of Materials Science, 2006, 41, 4871-4875.	3.7	62
97	Surface and Microstructural Characterization of Lanthanum Modified Lead Titanate Obtained by Combustion Synthesis. Ferroelectrics, 2006, 334, 187-195.	0.6	1
98	CaracterizaÃ§Ã£o morfolÃ³gica e luminescente de nanopartÃculas de aluminato de zinco dopadas com Eu3+. Ceramica, 2005, 51, 63-69.	0.8	7
99	Sintering of Ni-Zn ferrite nanopowders by the constant heating rate (CHR) method. Materials Research, 2004, 7, 523-528.	1.3	17
100	Combustion synthesis, sintering and magnetical properties of nanocristalline Ni-Zn ferrites doped with samarium. Journal of Materials Science, 2004, 39, 1773-1778.	3.7	39
101	Synthesis, microstructure and magnetic properties of Niâ€“Zn ferrites. Journal of Magnetism and Magnetic Materials, 2003, 256, 174-182.	2.3	397
102	Physical changes of sintered ceramics obtained from freeze-dried ZnO+(CH3COO)2CuÂ·H2O powders. Materials Letters, 2003, 57, 3325-3329.	2.6	7
103	Ceramic system based on ZnOÂ·CuO obtained by freeze-drying. Materials Letters, 2003, 57, 3775-3778.	2.6	11
104	Microestrutura e propriedades magnÃ©ticas de ferritas Ni-Zn-Sm. Ceramica, 2003, 49, 168-173.	0.8	5
105	Ferritas Ni-Zn: sÃntese por reaÃ§Ã£o de combustÃ£o e sinterizaÃ§Ã£o. Ceramica, 2003, 49, 133-140.	0.8	5
106	Thermal, Structural and Morphological Characterisation of Freeze-dried Copper(II) Acetate Monohydrate and its Solid Decomposition Products. Materials Research, 2002, 5, 453-457.	1.3	48
107	Electrical properties of ZnO-based varistors prepared by combustion synthesis. Journal of Materials Science: Materials in Electronics, 2002, 13, 319-325.	2.2	9
108	Title is missing!. Journal of Materials Science: Materials in Electronics, 2002, 13, 485-489.	2.2	30

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109	Title is missing!. Journal of Materials Science, 2002, 37, 3569-3572.	3.7	48
110	Combustion Synthesis of Nanopowder Ceramic Powders. KONA Powder and Particle Journal, 2001, 19, 156-165.	1.7	32
111	Synthesis of Al₂O₃/SiC Powders Using Microwave-Induced Combustion Reaction. Materials Transactions, 2001, 42, 1661-1666.	1.2	3
112	Al2O3/mullite/SiC powders synthesized by microwave-assisted carbothermal reduction of kaolin. Ceramics International, 2001, 27, 815-819.	4.8	25
113	Combustion Synthesis: Effect of Urea on the Reaction and Characteristics of Ni-Zn Ferrite Powders. Journal of Materials Synthesis and Processing, 2001, 9, 347-352.	0.3	34
114	Combustion process in the synthesis of ZnOâ€“Bi2O3. Ceramics International, 2000, 26, 561-564.	4.8	34
115	Liquid phase sintering of Al2O3/SiC nanocomposites. Journal of the European Ceramic Society, 1999, 19, 615-621.	5.7	42
116	Combustion synthesized ZnO powders for varistor ceramics. Solid State Sciences, 1999, 1, 235-241.	0.7	98
117	Combustion synthesis of aluminium titanate. Journal of the European Ceramic Society, 1998, 18, 771-781.	5.7	82
118	The monoclinic-tetragonal phase transformation of zirconia in the system ZrO2-Fe2O3. Journal of Materials Science Letters, 1990, 9, 373-374.	0.5	14
119	Influence of Fuel in the Synthesis of ZnAl₂O₄ Catalytic Supports by Combustion Reaction. Materials Science Forum, 0, 660-661, 52-57.	0.3	12
120	Synthesis of Ni-Zn Ferrite Catalysts by Combustion Reaction Using Different Fuels. Materials Science Forum, 0, 660-661, 943-947.	0.3	11
121	Study of the Reproducibility of Ni-Zn Nanoferrite Obtained by Combustion Reaction. Materials Science Forum, 0, 775-776, 415-420.	0.3	5
122	Microstructural Features of Sn-3.0Ag-0.7Cu Alloy Prepared by Conventional and Microwave Sintering. Materials Science Forum, 0, 899, 412-417.	0.3	1