

Kenneth J D Mackenzie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8837494/publications.pdf>

Version: 2024-02-01

155
papers

5,609
citations

76326

40
h-index

102487

66
g-index

169
all docs

169
docs citations

169
times ranked

5139
citing authors

#	ARTICLE	IF	CITATIONS
1	The composition range of aluminosilicate geopolymers. <i>Journal of the European Ceramic Society</i> , 2005, 25, 1471-1477.	5.7	283
2	Preparation and characterisation of fly ash based geopolymer mortars. <i>Construction and Building Materials</i> , 2010, 24, 1906-1910.	7.2	270
3	Effect of Silica Additive on the Anatase to Rutile Phase Transition. <i>Journal of the American Ceramic Society</i> , 2001, 84, 1591-1596.	3.8	240
4	Synthesis and thermal properties of inorganic polymers (geopolymers) for structural and refractory applications from volcanic ash. <i>Ceramics International</i> , 2011, 37, 3011-3018.	4.8	206
5	Characterisation of acid activated montmorillonite clay from Tuulant (Mongolia). <i>Ceramics International</i> , 2004, 30, 251-255.	4.8	131
6	²⁷ Al and ²⁵ Mg solid-state magic-angle spinning nuclear magnetic resonance study of hydrotalcite and its thermal decomposition sequence. <i>Journal of Materials Chemistry</i> , 1993, 3, 1263.	6.7	125
7	The role of iron in the formation of inorganic polymers (geopolymers) from volcanic ash: a ⁵⁷ Fe Mössbauer spectroscopy study. <i>Journal of Materials Science</i> , 2013, 48, 5280-5286.	3.7	113
8	Water retention properties of porous geopolymers for use in cooling applications. <i>Journal of the European Ceramic Society</i> , 2009, 29, 1917-1923.	5.7	110
9	Thermal decomposition of mechanically activated gibbsite. <i>Thermochimica Acta</i> , 1999, 327, 103-108.	2.7	107
10	Preparation of porous silica from vermiculite by selective leaching. <i>Applied Clay Science</i> , 2003, 22, 187-195.	5.2	106
11	Geopolymer synthesis using silica fume and sodium aluminate. <i>Journal of Materials Science</i> , 2007, 42, 3990-3993.	3.7	99
12	Structure and mechanical properties of aluminosilicate geopolymer composites with Portland cement and its constituent minerals. <i>Cement and Concrete Research</i> , 2010, 40, 787-794.	11.0	94
13	New composites of nanoparticle Cu (I) oxide and titania in a novel inorganic polymer (geopolymer) matrix for destruction of dyes and hazardous organic pollutants. <i>Journal of Hazardous Materials</i> , 2016, 318, 772-782.	12.4	91
14	Ion exchange in the charge-balancing sites of aluminosilicate inorganic polymers. <i>Journal of Materials Chemistry</i> , 2010, 20, 10234.	6.7	90
15	Synthesis and mechanical properties of new fibre-reinforced composites of inorganic polymers with natural wool fibres. <i>Journal of Materials Science</i> , 2012, 47, 6958-6965.	3.7	88
16	Formation of aluminosilicate geopolymers from 1:1 layer-lattice minerals pre-treated by various methods: a comparative study. <i>Journal of Materials Science</i> , 2007, 42, 4667-4674.	3.7	87
17	Synthesis and mechanical properties of novel composites of inorganic polymers (geopolymers) with unidirectional natural flax fibres (phormium tenax). <i>Applied Clay Science</i> , 2013, 75-76, 148-152.	5.2	86
18	Effect of mechanochemical activation on the thermal reactions of boehmite ($\hat{\text{I}}^3\text{-AlOOH}$) and $\hat{\text{I}}^3\text{-Al}_2\text{O}_3$. <i>Thermochimica Acta</i> , 2000, 359, 87-94.	2.7	81

#	ARTICLE	IF	CITATIONS
19	Crystalline phase formation in metakaolinite geopolymers activated with NaOH and sodium silicate. <i>Journal of Materials Science</i> , 2009, 44, 4668-4676.	3.7	81
20	Role of Water in the Mechanochemical Reactions of MgO-SiO ₂ Systems. <i>Journal of Solid State Chemistry</i> , 1998, 138, 169-177.	2.9	78
21	Utilization of radioactive high-calcium Mongolian flyash for the preparation of alkali-activated geopolymers for safe use as construction materials. <i>Ceramics International</i> , 2014, 40, 16475-16483.	4.8	73
22	Electrical and mechanical properties of aluminosilicate inorganic polymer composites with carbon nanotubes. <i>Journal of Materials Science</i> , 2009, 44, 2851-2857.	3.7	67
23	Synthesis and properties of inorganic polymers (geopolymers) derived from Bayer process residue (red mud). <i>Ceramics International</i> , 2014, 40, 7843-7851.	3.7	67
24	Synthesis and Catalytic Properties of New Sustainable Aluminosilicate Heterogeneous Catalysts Derived from Fly Ash. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5273-5282.	6.7	67
25	Formation of inorganic polymers (geopolymers) from 2:1 layer lattice aluminosilicates. <i>Journal of the European Ceramic Society</i> , 2008, 28, 177-181.	5.7	62
26	Investigation on bioactivity and cytotoxicity of mesoporous nano-composite MCM-48/hydroxyapatite for ibuprofen drug delivery. <i>Ceramics International</i> , 2014, 40, 7355-7362.	4.8	61
27	Preparation of Porous Silica from Mechanically Activated Kaolinite. <i>Journal of Porous Materials</i> , 2001, 8, 233-238.	2.6	60
28	Porous aluminosilicate inorganic polymers (geopolymers): a new class of environmentally benign heterogeneous solid acid catalysts. <i>Applied Catalysis A: General</i> , 2016, 524, 173-181.	4.3	57
29	Thermal formation of corundum from aluminium hydroxides prepared from various aluminium salts. <i>Bulletin of Materials Science</i> , 2000, 23, 301-304.	1.7	55
30	A multinuclear MAS NMR study of calcium-containing aluminosilicate inorganic polymers. <i>Journal of Materials Chemistry</i> , 2007, 17, 5090.	6.7	54
31	The effect of Zr content on electrical properties of Ba(Ti _{1-x} Zr _x)O ₃ ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 723-727.	2.3	53
32	Modeling and optimization of compressive strength and bulk density of metakaolin-based geopolymer using central composite design: A numerical and experimental study. <i>Ceramics International</i> , 2017, 43, 324-335.	4.8	53
33	Multiple-Quantum and Cross-Polarized ²⁷ Al MAS NMR of Mechanically Treated Mixtures of Kaolinite and Gibbsite. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6408-6416.	2.6	49
34	Porous ceramics mimicking nature's preparation and properties of microstructures with unidirectionally oriented pores. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 064701.	6.1	48
35	Synthesis of belite cement from nano-silica extracted from two rice husk ashes. <i>Journal of Environmental Management</i> , 2017, 190, 53-60.	7.8	47
36	Formation of Layered Magnesium Silicate during the Aging of Magnesium Hydroxide-Silica Mixtures. <i>Journal of the American Ceramic Society</i> , 1998, 81, 754-756.	3.8	45

#	ARTICLE	IF	CITATIONS
37	Synthesis of AlN Nanopowder from gamma-Al ₂ O ₃ by Reduction-Nitridation in a Mixture of NH ₃ -C ₃ H ₈ . Journal of the American Ceramic Society, 2006, 89, 171-175.	3.8	45
38	Phase evolution in mechanically treated mixtures of kaolinite and alumina hydrates (gibbsite and) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50	3.7	44
39	Synthesis of 11Å... Al-substituted tobermorite from trachyte rock by hydrothermal treatment. Ceramics International, 2010, 36, 203-209.	4.8	44
40	Î±-Sialon ceramics synthesised from a clay precursor by carbothermal reduction and nitridation. Journal of Materials Chemistry, 1998, 8, 977-983.	6.7	41
41	Characterization of porous silica prepared from mechanically amorphized kaolinite by selective leaching. Powder Technology, 2001, 121, 259-262.	4.2	41
42	Synthesis and properties of novel photoactive composites of P25 titanium dioxide and copper (I) oxide with inorganic polymers. Ceramics International, 2015, 41, 13702-13708.	4.8	41
43	Formation of mullite from mechanochemically activated oxides and hydroxides. Journal of the European Ceramic Society, 1998, 18, 831-835.	5.7	40
44	The effect of water vapour atmospheres on the thermal transformation of kaolinite investigated by XRD, FTIR and solid state MAS NMR. Journal of the European Ceramic Society, 1999, 19, 105-112.	5.7	40
45	Synthesis, characterisation and thermal behaviour of lithium aluminosilicate inorganic polymers. Journal of Materials Science, 2010, 45, 3707-3713.	3.7	40
46	Synthesis of high surface area Al-containing mesoporous silica from calcined and acid leached kaolinites as the precursors. Journal of Colloid and Interface Science, 2006, 297, 724-731.	9.4	38
47	Effect of the solid-state synthesis parameters on the physical and electronic properties of perovskite-type Ba(Fe,Nb)0.5O ₃ ceramics. Current Applied Physics, 2009, 9, 993-996.	2.4	37
48	Thermal oxidation of carbothermal Î²-sialon powder: reaction sequence and kinetics. Journal of Materials Chemistry, 1997, 7, 527-530.	6.7	36
49	Effect of grinding on the leaching behaviour of pyrophyllite. Journal of the European Ceramic Society, 2003, 23, 1277-1282.	5.7	36
50	Novel photoactive inorganic polymer composites of inorganic polymers with copper(I) oxide nanoparticles. Journal of Materials Science, 2015, 50, 7374-7383.	3.7	36
51	MAS NMR Evidence for the Presence of Silicon in the Alumina Spinel from Thermally Transformed Kaolinite. Journal of the American Ceramic Society, 1996, 79, 2980-2982.	3.8	34
52	The effect of mechanical activation on the properties of Î²-sialon precursors. Journal of the European Ceramic Society, 2008, 28, 279-288.	5.7	34
53	The electronic properties of complex oxides of bismuth with the mullite structure. Journal of the European Ceramic Society, 2008, 28, 499-504.	5.7	33
54	Magnesium analogues of aluminosilicate inorganic polymers (geopolymers) from magnesium minerals. Journal of Materials Science, 2013, 48, 1787-1793.	3.7	33

#	ARTICLE	IF	CITATIONS
55	Effect of grinding on the preparation of porous material from talc by selective leaching. <i>Journal of Materials Science Letters</i> , 2002, 21, 1607-1609.	0.5	32
56	The effect of nano sized SrFe ₁₂ O ₁₉ additions on the magnetic properties of chromium-doped strontium-hexaferrite ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 1297-1302.	2.2	32
57	Photocatalytic properties of mesoporous TiO ₂ nanocomposites modified with carbon nanotubes and copper. <i>Ceramics International</i> , 2016, 42, 11901-11906.	4.8	32
58	Calcium-containing inorganic polymers as potential bioactive materials. <i>Journal of Materials Science</i> , 2010, 45, 999-1007.	3.7	31
59	Effect of mechanochemical treatment on the crystallization behaviour of diphasic mullite gel. <i>Ceramics International</i> , 1999, 25, 85-90.	4.8	30
60	Crystal structure of synthetic Al ₄ B ₂ O ₉ : A member of the mullite family closely related to boralsilite. <i>American Mineralogist</i> , 2008, 93, 918-927.	1.9	30
61	Visible-light-driven photodegradation of acetaldehyde gas catalyzed by aluminosilicate nanotubes and Cu(II)-grafted TiO ₂ composites. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 243-252.	20.2	30
62	Fabrication and properties of microporous metakaolin-based geopolymer bodies with polylactic acid (PLA) fibers as pore generators. <i>Ceramics International</i> , 2015, 41, 7872-7880.	4.8	30
63	Synthesis and properties of geopolymers based on water treatment residue and their immobilization of some heavy metals. <i>Journal of Materials Science</i> , 2017, 52, 7345-7359.	3.7	30
64	Characterization of aluminosilicate (mullite) precursors prepared by a mechanochemical process. <i>Journal of Materials Research</i> , 1998, 13, 2184-2189.	2.6	29
65	Titanosilicates: Giant exchange capacity and selectivity for Sr and Ba. <i>Separation and Purification Technology</i> , 2012, 95, 222-226.	7.9	28
66	The effect of different sources of porous carbon on the synthesis of nanostructured boron carbide by magnesiothermic reduction. <i>Ceramics International</i> , 2014, 40, 16399-16408.	4.8	28
67	Porous properties of coprecipitated Al ₂ O ₃ -SiO ₂ xerogels prepared from aluminium nitrate nonahydrate and tetraethylorthosilicate. <i>Journal of Materials Chemistry</i> , 1999, 9, 1307-1312.	6.7	27
68	Simultaneous uptake of ammonium and phosphate ions by compounds prepared from paper sludge ash. <i>Journal of Hazardous Materials</i> , 2007, 141, 622-629.	12.4	27
69	Facile synthesis of new hierarchical aluminosilicate inorganic polymer solid acids and their catalytic performance in alkylation reactions. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 316-325.	4.4	27
70	The effect of nanoparticle and mesoporous TiO ₂ additions on the electronic characteristics of reduced graphene oxide nanocomposites with zinc oxide under UV irradiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 246, 89-95.	3.5	27
71	MAS NMR study of pentacoordinated magnesium in grandierite. <i>American Mineralogist</i> , 1997, 82, 479-482.	1.9	26
72	Phases occurring in the Si ₃ N ₄ -Y ₂ O ₃ system. <i>Journal of Materials Chemistry</i> , 1997, 7, 505-509.	6.7	26

#	ARTICLE	IF	CITATIONS
73	Preparation and porous properties of materials prepared by selective leaching of phlogopite. <i>Clays and Clay Minerals</i> , 2002, 50, 624-632.	1.3	26
74	AlO ₄ /SiO ₄ Distribution in Tetrahedral Double Chains of Mullite. <i>Journal of the American Ceramic Society</i> , 2005, 88, 2935-2937.	3.8	24
75	Mechanochemical processing of sialon compositions. <i>Journal of the European Ceramic Society</i> , 2003, 23, 1069-1082.	5.7	23
76	Properties of geopolymer binders prepared from milled pond ash. <i>Materiales De Construccion</i> , 2017, 67, 134.	0.7	23
77	Multi Functional Uptake Behaviour of Materials Prepared by Calcining Waste Paper Sludge. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 703-719.	1.7	22
78	Inorganic polymers (geopolymers) containing acid-base indicators as possible colour-change humidity indicators. <i>Materials Letters</i> , 2009, 63, 230-232.	2.6	22
79	Pozzolanic Activity of Diatomaceous Earth. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3406-3410.	3.8	22
80	Fly Ash-Based Geopolymers as Sustainable Bifunctional Heterogeneous Catalysts and Their Reactivity in Friedel-Crafts Acylation Reactions. <i>Catalysts</i> , 2019, 9, 372.	3.5	21
81	Effect of mechanochemical treatment on the synthesis of calcium dialuminate. <i>Journal of Materials Chemistry</i> , 2000, 10, 1019-1023.	6.7	20
82	Early-Stage Thermal Oxidation of Carbothermal β -Sialon Powder. <i>Journal of the American Ceramic Society</i> , 1998, 81, 266-268.	3.8	20
83	Preparation and properties of potassium aluminosilicate prepared from the waste solution of selectively leached calcined kaolinite. <i>Applied Clay Science</i> , 2002, 21, 125-131.	5.2	19
84	Inorganic polymers (geopolymers) as precursors for carbothermal reduction and nitridation (CRN) synthesis of SiAlON ceramics. <i>Journal of the European Ceramic Society</i> , 2015, 35, 2755-2764.	5.7	19
85	Synthesis of nanostructured SiC by magnesiothermal reduction of silica from zeolite ZSM-5 and carbon: The effect of carbons from different sources. <i>Ceramics International</i> , 2015, 41, 5287-5293.	4.8	19
86	Additive-assisted pressureless sintering of carbothermal β -sialon: an X-ray and solid-state MAS NMR study. <i>Journal of Materials Chemistry</i> , 1996, 6, 821-831.	6.7	18
87	Simultaneous uptake of ammonium and phosphate ions by composites of β -alumina/potassium aluminosilicate gel. <i>Materials Research Bulletin</i> , 2003, 38, 749-756.	5.2	18
88	Uptake of various cations by amorphous CaAl ₂ Si ₂ O ₈ prepared by solid-state reaction of kaolinite with CaCO ₃ . <i>Journal of Materials Chemistry</i> , 2003, 13, 550-556.	6.7	17
89	Photocatalytic Nanocomposite Materials Based on Inorganic Polymers (Geopolymers): A Review. <i>Catalysts</i> , 2020, 10, 1158.	3.5	17
90	Optimization of the magnetic properties and microstructure of Co ²⁺ /La ³⁺ substituted strontium hexaferrite by varying the production parameters. <i>Ceramics International</i> , 2014, 40, 5675-5680.	4.8	16

#	ARTICLE	IF	CITATIONS
91	Zeolite formation by hydrothermal treatment of waste solution from selectively leached kaolinite. <i>Materials Letters</i> , 2002, 52, 91-95.	2.6	15
92	Effect of Synthesis pH on the Preparation and Properties of K-Al-Bearing Silicate Gels from Solution. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 624-629.	1.3	15
93	Elucidation of the Formation Mechanism of γ -SiAlON from a Zeolite. <i>Journal of the American Ceramic Society</i> , 2007, 90, 1541-1544.	3.8	15
94	Synthesis of sodium and potassium aluminogermanate inorganic polymers. <i>Materials Letters</i> , 2011, 65, 2086-2088.	2.6	15
95	New phosphors based on the reduction of Eu(III) to Eu(II) in ion-exchanged aluminosilicate and gallium silicate inorganic polymers. <i>Ceramics International</i> , 2018, 44, 1110-1119.	4.8	15
96	Thermal reactions of alkali-leached aluminosilicates studied by XRD and solid-state ^{27}Al , ^{29}Si and ^{23}Na MAS NMR. <i>Journal of Materials Chemistry</i> , 1996, 6, 833.	6.7	14
97	Volatile products formed by carboreduction and nitridation of clay mixtures with silica and elemental silicon. <i>Journal of Materials Chemistry</i> , 1996, 6, 1225-1230.	6.7	14
98	A new hydroxide-based synthesis method for inorganic polymers. <i>Journal of Materials Science</i> , 2010, 45, 3284-3288.	3.7	14
99	Synthesis and thermal behaviour of gallium-substituted aluminosilicate inorganic polymers. <i>Dalton Transactions</i> , 2011, 40, 4865.	3.3	14
100	The system $\text{Ga}_2\text{O}_3(\text{Al}_2\text{O}_3)\text{-GeO}_2(\text{SiO}_2)$ studied by NMR, XRD, IR and DTA. <i>Journal of Materials Chemistry</i> , 2000, 10, 701-707.	6.7	13
101	Synthesis and properties of new $\hat{\text{I}}^2$ -Sialon/TiN composites via a novel Al_xTi_y intermediate. <i>Ceramics International</i> , 2016, 42, 2330-2338.	4.8	13
102	Crystalline Aluminium Borates with the Mullite Structure: A ^{11}B and ^{27}Al Solid-State NMR Study. <i>Applied Magnetic Resonance</i> , 2007, 32, 647-662.	1.2	12
103	Application of the statistical Taguchi method to optimize X-SiAlON and mullite formation in composite powders prepared by the SRN process. <i>Ceramics International</i> , 2014, 40, 263-271.	4.8	12
104	An infra-red frequency shift method for the determination of the high-temperature phases of aluminosilicate minerals. <i>Journal of Applied Chemistry</i> , 2007, 19, 65-67.	0.0	11
105	Influence of mechanical distortion on the solubility of fluorapatite. <i>Minerals Engineering</i> , 2007, 20, 194-196.	4.3	11
106	Highly charged swelling micas of different charge densities: Synthesis, characterization, and selectivity for Sr and Ba. <i>Separation and Purification Technology</i> , 2013, 104, 238-245.	7.9	11
107	Crystallization behavior and cordierite formation in rapidly quenched $\text{MgAl}_2\text{O}_4\text{-SiO}_2$ glasses of various chemical compositions. <i>Journal of Materials Research</i> , 1998, 13, 1351-1357.	2.6	10
108	Were the casing stones of Senefru's Bent Pyramid in Dahshour cast or carved?. <i>Materials Letters</i> , 2011, 65, 350-352.	2.6	10

#	ARTICLE	IF	CITATIONS
109	The Effect of the Si/Al Ratio on the Properties of Water Treatment Residue (WTR)-Based Geopolymers. <i>Key Engineering Materials</i> , 0, 608, 289-294.	0.4	10
110	Novel photoluminescent materials based on gallium silicate inorganic polymer hosts activated with Sm ³⁺ or Eu ³⁺ . <i>Journal of Non-Crystalline Solids</i> , 2017, 460, 98-105.	3.1	10
111	Phase formation, microstructure and setting time of MCM-48 mesoporous silica nanocomposites with hydroxyapatite for dental applications: Effect of the Ca/P ratio. <i>Ceramics International</i> , 2017, 43, 12857-12862.	4.8	10
112	Structural behaviour of an Australian silty clay (Coode Island silt) stabilised by treatment with slag lime. <i>Applied Clay Science</i> , 2018, 157, 198-203.	5.2	10
113	Preparation of aluminosilicate precursor by mechanochemical method from gibbsite-fumed silica mixtures. <i>Bulletin of Materials Science</i> , 1998, 21, 185-187.	1.7	9
114	Nanoporous inorganic materials from mineral templates. <i>Current Applied Physics</i> , 2004, 4, 167-170.	2.4	9
115	Simultaneous uptake of Ni ²⁺ , NH ₄ ⁺ and PO ₄ ³⁻ by amorphous CaO-Al ₂ O ₃ -SiO ₂ compounds. <i>Journal of Colloid and Interface Science</i> , 2007, 305, 229-238.	9.4	9
116	Changes in the medium-range order of zeolite A by mechanical and thermal amorphization. <i>Microporous and Mesoporous Materials</i> , 2010, 136, 92-96.	4.4	9
117	Aluminosilicate inorganic polymers (geopolymers) containing rare earth ions: a new class of photoluminescent materials. <i>Journal of Materials Science</i> , 2017, 52, 11370-11382.	3.7	9
118	New phosphors synthesised by ion exchange of a metakaolin-based geopolymer. <i>Applied Clay Science</i> , 2018, 157, 1-7.	5.2	9
119	Oxidation and Mechanical Behavior of Carbothermal .BETA.-SiAlON Ceramics.. <i>Journal of the Ceramic Society of Japan</i> , 1999, 107, 786-790.	1.3	8
120	Synthesis and characterization of low-charge sodium fluorophlogopite mica-type clay minerals. <i>Applied Clay Science</i> , 2009, 42, 524-528.	5.2	8
121	Inorganic polymers as novel chromatographic stationary phase media. <i>Ceramics International</i> , 2014, 40, 3553-3560.	4.8	8
122	Magnesiothermal synthesis of nanostructured SiC from natural zeolite (clinoptilolite) and mesoporous carbon CMK-1. <i>Ceramics International</i> , 2015, 41, 8809-8813.	4.8	8
123	Mechanochemical preparation of aluminosilicate precursors from gibbsite-silicic acid mixtures. <i>Materials Letters</i> , 1998, 36, 48-51.	2.6	7
124	Uptake properties of Ni ²⁺ by nCaO·Al ₂ O ₃ ·2SiO ₂ (n=1-4) prepared from solid-state reaction of kaolinite and calcite. <i>Journal of Hazardous Materials</i> , 2005, 123, 281-287.	12.4	7
125	Effect of grinding and heating on Ni ²⁺ uptake properties of waste paper sludge. <i>Journal of Environmental Management</i> , 2006, 80, 363-371.	7.8	7
126	Mechanochemical activation of mixtures of wolframite (FeWO ₄) with carbon, studied by ⁵⁷ Fe Mössbauer spectroscopy. <i>Journal of the European Ceramic Society</i> , 2006, 26, 2581-2585.	5.7	7

#	ARTICLE	IF	CITATIONS
127	Mechanical activation of MoS ₂ +Na ₂ O ₂ mixtures. Minerals Engineering, 2009, 22, 415-418.	4.3	7
128	Porous properties of mesoporous silicas from two silica sources (acid-leached kaolinite and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	2.6	7
129	Comment on "Differential Thermal Calorimetric Determination of the Thermodynamic Properties of Kaolinite". Journal of the American Ceramic Society, 1971, 54, 174-174.	3.8	6
130	Carbothermal synthesis of low-z β -sialon from silica or elemental silicon in the presence and absence of Y ₂ O ₃ : an XRD and MAS NMR perspective. Journal of Materials Chemistry, 1997, 7, 1057-1061.	6.7	6
131	Structural elucidation of synthetic calcium silicates. Powder Diffraction, 2008, 23, 204-212.	0.2	6
132	Development of pyroelectric ceramics for high-temperature applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 161, 125-129.	3.5	6
133	Adsorption and photocatalytic properties of TiO ₂ /mesoporous silica composites from two silica sources (acid-leached kaolinite and Si-alkoxide). Journal of Porous Materials, 2011, 18, 345-354.	2.6	6
134	Characterization of the State of Ni ²⁺ in Ni-Exchanged KAlSiO ₄ by XPS, XRF, XRD, EXAFS and NMR.. Journal of the Ceramic Society of Japan, 2000, 108, 989-992.	1.3	5
135	Reaction of phosphate compounds with a high-silica allophane. Clays and Clay Minerals, 2005, 53, 372-379.	1.3	5
136	NMR study on the formation mechanism of β -SiAlON from zeolite by nitridation using ammonia gas. Journal of the Ceramic Society of Japan, 2008, 116, 980-983.	1.1	5
137	The influence of different carbon sources in the carbothermal reduction and nitridation (CRN) synthesis of SiAlON from nanocomposite precursors based on Al-SBA-15. Ceramics International, 2013, 39, 6293-6298.	4.8	5
138	Comment on "Characterization of Spinel Phase Formed in the Kaolin-Mullite Thermal Sequence". Journal of the American Ceramic Society, 1987, 70, C-222-C-223.	3.8	4
139	Effect of water vapour atmospheres on thermal transformations and mechanical strength of montmorillonite clay compacts. Advances in Applied Ceramics, 2000, 99, 63-66.	0.4	4
140	New Ceramic Membrane Materials for Gas Purification. Advanced Materials Research, 2007, 29-30, 15-20.	0.3	4
141	CRN synthesis of β -SiAlON from a nanocomposite precursor of mesoporous silica-alumina (Al-SBA-15) with poly 4-vinyl pyridine. Journal of Porous Materials, 2012, 19, 775-780.	2.6	4
142	Comparative study of mechanochemical preparation of aluminosilicate precursors from various aluminium hydroxides and amorphous silica. Advances in Applied Ceramics, 2000, 99, 23-25.	0.4	3
143	Ferroelectric, pyroelectric and dielectric properties of complex perovskite-structured Pb _{0.84} Ba _{0.16} (Zr _{0.44} Ti _{0.40} Fe _{0.08} Nb _{0.08})O ₃ ceramics. Current Applied Physics, 2008, 8, 266-269.	2.4	3
144	Comparative study on the preparation of belite cement from nano-silicas extracted from different agricultural wastes with calcium carbide residue. Journal of Sustainable Cement-Based Materials, 2023, 12, 129-140.	3.1	3

#	ARTICLE	IF	CITATIONS
145	Formation Mechanism of Nano AlN Powder by Gas-Reduction-Nitridation. Key Engineering Materials, 2006, 317-318, 215-218.	0.4	2
146	Origin of P-E Hysteresis Offsets in Compositionally Graded Ba _{1-x} Sr _x TiO ₃ Thick Films. Advanced Materials Research, 0, 55-57, 15-22.	0.3	2
147	A Novel Method for the Formation of Lithium Aluminosilicate and Lithium Aluminosilicate-Alumina Matrix Composites by Silicothermal Reaction of Li-Geopolymers. Molecular Crystals and Liquid Crystals, 2013, 577, 116-126.	0.9	2
148	Oxidation resistance of $\hat{2}$ -Sialon/TiN composites: an ion beam analysis (IBA) study. Journal of Materials Science, 2018, 53, 15348-15361.	3.7	2
149	Synthesis of nanosized SiC by low-temperature magnesiothermal reduction of nanocomposites of functionalized carbon nanotubes with MCM-48. Ceramics International, 2019, 45, 5525-5530.	4.8	2
150	Synthesis, Densification and Properties of SiAlON Bodies and Composites. Key Engineering Materials, 2003, 237, 95-104.	0.4	1
151	"Synthesis of AlN Nanopowder from gamma-Al ₂ O ₃ by Reduction-Nitridation in a Mixture of NH ₃ -C ₃ H ₈ ". Journal of the American Ceramic Society, 2006, 89, 773-773.	3.8	1
152	EFFECT OF PRE-HEATING TEMPERATURE ON THE CHARACTERISTICS OF PZT THIN FILMS GROWN BY USING A TRIOL SOL-GEL ROUTE. Surface Review and Letters, 2007, 14, 229-234.	1.1	1
153	Water Content and Water Evolution from Reaction-Bonded Aluminum Oxide (RBAO) Powder Precursors. International Journal of Applied Ceramic Technology, 2008, 5, 289-294.	2.1	1
154	Investigating the Properties of the Nanocomposite (poly(4-vinyl pyridine)/Al-SBA-15): A Precursor for $\hat{2}$ -SiAlON. Molecular Crystals and Liquid Crystals, 2012, 555, 104-111.	0.9	1
155	Recent Developments in SiAlON Research in New Zealand. Key Engineering Materials, 2007, 352, 153-163.	0.4	0