

# Kenneth J D Mackenzie

## List of Publications by Year in descending order

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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	Comparative study on the preparation of belite cement from nano-silicas extracted from different agricultural wastes with calcium carbide residue. <i>Journal of Sustainable Cement-Based Materials</i> , 2023, 12, 129-140.	3.1	3
2	Photocatalytic Nanocomposite Materials Based on Inorganic Polymers (Geopolymers): A Review. <i>Catalysts</i> , 2020, 10, 1158.	3.5	17
3	The effect of nanoparticle and mesoporous TiO <sub>2</sub> 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
4	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
5	Synthesis of nanosized SiC by low-temperature magnesiothermal reduction of nanocomposites of functionalized carbon nanotubes with MCM-48. <i>Ceramics International</i> , 2019, 45, 5525-5530.	4.8	2
6	New phosphors synthesised by ion exchange of a metakaolin-based geopolymer. <i>Applied Clay Science</i> , 2018, 157, 1-7.	5.2	9
7	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
8	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
9	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
10	Oxidation resistance of $\hat{\text{I}}^2$ -Sialon/TiN composites: an ion beam analysis (IBA) study. <i>Journal of Materials Science</i> , 2018, 53, 15348-15361.	3.7	2
11	Novel photoluminescent materials based on gallium silicate inorganic polymer hosts activated with Sm <sup>3+</sup> or Eu <sup>3+</sup> . <i>Journal of Non-Crystalline Solids</i> , 2017, 460, 98-105.	3.1	10
12	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
13	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
14	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
15	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
16	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
17	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
18	Properties of geopolymer binders prepared from milled pond ash. <i>Materiales De Construccion</i> , 2017, 67, 134.	0.7	23

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19	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
20	Photocatalytic properties of mesoporous TiO <sub>2</sub> nanocomposites modified with carbon nanotubes and copper. <i>Ceramics International</i> , 2016, 42, 11901-11906.	4.8	32
21	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
22	Synthesis and properties of new $\hat{I}^2$ -Sialon/TiN composites via a novel AlxTiy intermediate. <i>Ceramics International</i> , 2016, 42, 2330-2338.	4.8	13
23	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
24	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
25	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
26	Synthesis and properties of inorganic polymers (geopolymers) derived from Bayer process residue (red) Tj ETQq0 0.0.rgBT /Overlock 10	3.7	67
27	Synthesis and properties of novel photoactive composites of P25 titanium dioxide and copper (I) oxide with inorganic polymers. <i>Ceramics International</i> , 2015, 41, 13702-13708.	4.8	41
28	Novel photoactive inorganic polymer composites of inorganic polymers with copper(I) oxide nanoparticles. <i>Journal of Materials Science</i> , 2015, 50, 7374-7383.	3.7	36
29	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
30	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
31	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
32	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
33	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
34	Optimization of the magnetic properties and microstructure of Co <sub>2</sub> +La <sup>3+</sup> substituted strontium hexaferrite by varying the production parameters. <i>Ceramics International</i> , 2014, 40, 5675-5680.	4.8	16
35	Inorganic polymers as novel chromatographic stationary phase media. <i>Ceramics International</i> , 2014, 40, 3553-3560.	4.8	8
36	The influence of different carbon sources in the carbothermal reduction and nitridation (CRN) synthesis of SiAlON from nanocomposite precursors based on Al-SBA-15. <i>Ceramics International</i> , 2013, 39, 6293-6298.	4.8	5

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37	Highly charged swelling micas of different charge densities: Synthesis, characterization, and selectivity for Sr and Ba. Separation and Purification Technology, 2013, 104, 238-245.	7.9	11
38	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
39	Magnesium analogues of aluminosilicate inorganic polymers (geopolymers) from magnesium minerals. Journal of Materials Science, 2013, 48, 1787-1793.	3.7	33
40	Visible-light-driven photodegradation of acetaldehyde gas catalyzed by aluminosilicate nanotubes and Cu(II)-grafted TiO <sub>2</sub> composites. Applied Catalysis B: Environmental, 2013, 138-139, 243-252.	20.2	30
41	Synthesis and mechanical properties of novel composites of inorganic polymers (geopolymers) with unidirectional natural flax fibres (phormium tenax). Applied Clay Science, 2013, 75-76, 148-152.	5.2	86
42	The role of iron in the formation of inorganic polymers (geopolymers) from volcanic ash: a <sup>57</sup> Fe Mössbauer spectroscopy study. Journal of Materials Science, 2013, 48, 5280-5286.	3.7	113
43	CRN synthesis of <sup>12</sup> -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
44	Titanosilicates: Giant exchange capacity and selectivity for Sr and Ba. Separation and Purification Technology, 2012, 95, 222-226.	7.9	28
45	Investigating the Properties of the Nanocomposite (poly(4-vinyl pyridine)/Al-SBA-15): A Precursor for <sup>12</sup> -SiAlON. Molecular Crystals and Liquid Crystals, 2012, 555, 104-111.	0.9	1
46	Synthesis and mechanical properties of new fibre-reinforced composites of inorganic polymers with natural wool fibres. Journal of Materials Science, 2012, 47, 6958-6965.	3.7	88
47	Synthesis and thermal behaviour of gallium-substituted aluminosilicate inorganic polymers. Dalton Transactions, 2011, 40, 4865.	3.3	14
48	Porous ceramics mimicking nature's preparation and properties of microstructures with unidirectionally oriented pores. Science and Technology of Advanced Materials, 2011, 12, 064701.	6.1	48
49	Synthesis and thermal properties of inorganic polymers (geopolymers) for structural and refractory applications from volcanic ash. Ceramics International, 2011, 37, 3011-3018.	4.8	206
50	Were the casing stones of Senefru's Bent Pyramid in Dahshour cast or carved?. Materials Letters, 2011, 65, 350-352.	2.6	10
51	Synthesis of sodium and potassium aluminogermanate inorganic polymers. Materials Letters, 2011, 65, 2086-2088.	2.6	15
52	The effect of nano sized SrFe <sub>12</sub> O <sub>19</sub> additions on the magnetic properties of chromium-doped strontium-hexaferrite ceramics. Journal of Materials Science: Materials in Electronics, 2011, 22, 1297-1302.	2.2	32
53	Adsorption and photocatalytic properties of TiO <sub>2</sub> /mesoporous silica composites from two silica sources (acid-leached kaolinite and Si-alkoxide). Journal of Porous Materials, 2011, 18, 345-354.	2.6	6
54	Porous properties of mesoporous silicas from two silica sources (acid-leached kaolinite and)	2.6	7

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55	Calcium-containing inorganic polymers as potential bioactive materials. <i>Journal of Materials Science</i> , 2010, 45, 999-1007.	3.7	31
56	A new hydroxide-based synthesis method for inorganic polymers. <i>Journal of Materials Science</i> , 2010, 45, 3284-3288.	3.7	14
57	Synthesis, characterisation and thermal behaviour of lithium aluminosilicate inorganic polymers. <i>Journal of Materials Science</i> , 2010, 45, 3707-3713.	3.7	40
58	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
59	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
60	Synthesis of 11Å... Al-substituted tobermorite from trachyte rock by hydrothermal treatment. <i>Ceramics International</i> , 2010, 36, 203-209.	4.8	44
61	Pozzolanic Activity of Diatomaceous Earth. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3406-3410.	3.8	22
62	Ion exchange in the charge-balancing sites of aluminosilicate inorganic polymers. <i>Journal of Materials Chemistry</i> , 2010, 20, 10234.	6.7	90
63	Preparation and characterisation of fly ash based geopolymer mortars. <i>Construction and Building Materials</i> , 2010, 24, 1906-1910.	7.2	270
64	Mechanical activation of MoS <sub>2</sub> +Na <sub>2</sub> O <sub>2</sub> mixtures. <i>Minerals Engineering</i> , 2009, 22, 415-418.	4.3	7
65	Inorganic polymers (geopolymers) containing acid-base indicators as possible colour-change humidity indicators. <i>Materials Letters</i> , 2009, 63, 230-232.	2.6	22
66	Development of pyroelectric ceramics for high-temperature applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 161, 125-129.	3.5	6
67	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
68	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
69	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
70	Effect of the solid-state synthesis parameters on the physical and electronic properties of perovskite-type Ba(Fe,Nb) <sub>0.5</sub> O <sub>3</sub> ceramics. <i>Current Applied Physics</i> , 2009, 9, 993-996.	2.4	37
71	Synthesis and characterization of low-charge sodium fluorophlogopite mica-type clay minerals. <i>Applied Clay Science</i> , 2009, 42, 524-528.	5.2	8
72	Ferroelectric, pyroelectric and dielectric properties of complex perovskite-structured Pb <sub>0.84</sub> Ba <sub>0.16</sub> (Zr <sub>0.44</sub> Ti <sub>0.40</sub> Fe <sub>0.08</sub> Nb <sub>0.08</sub> )O <sub>3</sub> ceramics. <i>Current Applied Physics</i> , 2008, 8, 266-269.	2.4	3

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73	The effect of Zr content on electrical properties of Ba(Ti <sub>1-x</sub> Zr <sub>x</sub> )O <sub>3</sub> ceramics. Applied Physics A: Materials Science and Processing, 2008, 90, 723-727.	2.3	53
74	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
75	The effect of mechanical activation on the properties of $\hat{I}^2$ -sialon precursors. Journal of the European Ceramic Society, 2008, 28, 279-288.	5.7	34
76	Formation of inorganic polymers (geopolymers) from 2:1 layer lattice aluminosilicates. Journal of the European Ceramic Society, 2008, 28, 177-181.	5.7	62
77	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
78	Crystal structure of synthetic Al <sub>4</sub> B <sub>2</sub> O <sub>9</sub> : A member of the mullite family closely related to boralsilite. American Mineralogist, 2008, 93, 918-927.	1.9	30
79	Structural elucidation of synthetic calcium silicates. Powder Diffraction, 2008, 23, 204-212.	0.2	6
80	NMR study on the formation mechanism of $\beta$ -SiAlON from zeolite by nitridation using ammonia gas. Journal of the Ceramic Society of Japan, 2008, 116, 980-983.	1.1	5
81	Recent Developments in SiAlON Research in New Zealand. Key Engineering Materials, 2007, 352, 153-163.	0.4	0
82	New Ceramic Membrane Materials for Gas Purification. Advanced Materials Research, 2007, 29-30, 15-20.	0.3	4
83	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
84	An infra-red frequency shift method for the determination of the high-temperature phases of aluminosilicate minerals. Journal of Applied Chemistry, 2007, 19, 65-67.	0.0	11
85	A multinuclear MAS NMR study of calcium-containing aluminosilicate inorganic polymers. Journal of Materials Chemistry, 2007, 17, 5090.	6.7	54
86	Simultaneous uptake of ammonium and phosphate ions by compounds prepared from paper sludge ash. Journal of Hazardous Materials, 2007, 141, 622-629.	12.4	27
87	Simultaneous uptake of Ni <sup>2+</sup> , NH <sub>4</sub> <sup>+</sup> and PO <sub>4</sub> <sup>3-</sup> by amorphous Ca-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> compounds. Journal of Colloid and Interface Science, 2007, 305, 229-238.	9.4	9
88	Elucidation of the Formation Mechanism of $\beta$ -SiAlON from a Zeolite. Journal of the American Ceramic Society, 2007, 90, 1541-1544.	3.8	15
89	Influence of mechanical distortion on the solubility of fluorapatite. Minerals Engineering, 2007, 20, 194-196.	4.3	11
90	Formation of aluminosilicate geopolymers from 1:1 layer-lattice minerals pre-treated by various methods: a comparative study. Journal of Materials Science, 2007, 42, 4667-4674.	3.7	87

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91	Geopolymer synthesis using silica fume and sodium aluminate. <i>Journal of Materials Science</i> , 2007, 42, 3990-3993.	3.7	99
92	Crystalline Aluminium Borates with the Mullite Structure: A <sup>11</sup> B and <sup>27</sup> Al Solid-State NMR Study. <i>Applied Magnetic Resonance</i> , 2007, 32, 647-662.	1.2	12
93	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
94	Synthesis of AlN Nanopowder from gamma-Al <sub>2</sub> O <sub>3</sub> by Reduction-Nitridation in a Mixture of NH <sub>3</sub> -C <sub>3</sub> H <sub>8</sub> . <i>Journal of the American Ceramic Society</i> , 2006, 89, 171-175.	3.8	45
95	"Synthesis of AlN Nanopowder from gamma-Al <sub>2</sub> O <sub>3</sub> by Reduction-Nitridation in a Mixture of NH <sub>3</sub> -C <sub>3</sub> H <sub>8</sub> ". <i>Journal of the American Ceramic Society</i> , 2006, 89, 773-773.	3.8	1
96	Synthesis of high surface area Al-containing mesoporous silica from calcined and acid leached kaolinites as the precursors. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 724-731.	9.4	38
97	Effect of grinding and heating on Ni <sup>2+</sup> uptake properties of waste paper sludge. <i>Journal of Environmental Management</i> , 2006, 80, 363-371.	7.8	7
98	Mechanochemical activation of mixtures of wolframite (FeWO <sub>4</sub> ) with carbon, studied by <sup>57</sup> Fe Mössbauer spectroscopy. <i>Journal of the European Ceramic Society</i> , 2006, 26, 2581-2585.	5.7	7
99	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
100	Formation Mechanism of Nano AlN Powder by Gas-Reduction-Nitridation. <i>Key Engineering Materials</i> , 2006, 317-318, 215-218.	0.4	2
101	AlO <sub>4</sub> /SiO <sub>4</sub> Distribution in Tetrahedral Double Chains of Mullite. <i>Journal of the American Ceramic Society</i> , 2005, 88, 2935-2937.	3.8	24
102	The composition range of aluminosilicate geopolymers. <i>Journal of the European Ceramic Society</i> , 2005, 25, 1471-1477.	5.7	283
103	Uptake properties of Ni <sup>2+</sup> by nCaO·Al <sub>2</sub> O <sub>3</sub> ·2SiO <sub>2</sub> (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
104	Reaction of phosphate compounds with a high-silica allophane. <i>Clays and Clay Minerals</i> , 2005, 53, 372-379.	1.3	5
105	Characterisation of acid activated montmorillonite clay from Tuulant (Mongolia). <i>Ceramics International</i> , 2004, 30, 251-255.	4.8	131
106	Nanoporous inorganic materials from mineral templates. <i>Current Applied Physics</i> , 2004, 4, 167-170.	2.4	9
107	Simultaneous uptake of ammonium and phosphate ions by composites of <sup>13</sup> C-alumina/potassium aluminosilicate gel. <i>Materials Research Bulletin</i> , 2003, 38, 749-756.	5.2	18
108	Mechanochemical processing of sialon compositions. <i>Journal of the European Ceramic Society</i> , 2003, 23, 1069-1082.	5.7	23

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109	Effect of grinding on the leaching behaviour of pyrophyllite. Journal of the European Ceramic Society, 2003, 23, 1277-1282.	5.7	36
110	Uptake of various cations by amorphous CaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> prepared by solid-state reaction of kaolinite with CaCO <sub>3</sub> . Journal of Materials Chemistry, 2003, 13, 550-556.	6.7	17
111	Preparation of porous silica from vermiculite by selective leaching. Applied Clay Science, 2003, 22, 187-195.	5.2	106
112	Synthesis, Densification and Properties of SiAlON Bodies and Composites. Key Engineering Materials, 2003, 237, 95-104.	0.4	1
113	Preparation and porous properties of materials prepared by selective leaching of phlogopite. Clays and Clay Minerals, 2002, 50, 624-632.	1.3	26
114	Preparation and properties of potassium aluminosilicate prepared from the waste solution of selectively leached calcined kaolinite. Applied Clay Science, 2002, 21, 125-131.	5.2	19
115	Zeolite formation by hydrothermal treatment of waste solution from selectively leached kaolinite. Materials Letters, 2002, 52, 91-95.	2.6	15
116	Effect of grinding on the preparation of porous material from talc by selective leaching. Journal of Materials Science Letters, 2002, 21, 1607-1609.	0.5	32
117	Preparation of Porous Silica from Mechanically Activated Kaolinite. Journal of Porous Materials, 2001, 8, 233-238.	2.6	60
118	Characterization of porous silica prepared from mechanically amorphized kaolinite by selective leaching. Powder Technology, 2001, 121, 259-262.	4.2	41
119	Effect of Silica Additive on the Anatase to Rutile Phase Transition. Journal of the American Ceramic Society, 2001, 84, 1591-1596.	3.8	240
120	Characterization of the State of Ni <sup>2+</sup> in Ni-Exchanged KAlSiO <sub>4</sub> by XPS, XRF, XRD, EXAFS and NMR.. Journal of the Ceramic Society of Japan, 2000, 108, 989-992.	1.3	5
121	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
122	Effect of mechanochemical activation on the thermal reactions of boehmite (Î <sup>3</sup> -AlOOH) and Î <sup>3</sup> -Al <sub>2</sub> O <sub>3</sub> . Thermochimica Acta, 2000, 359, 87-94.	2.7	81
123	Phase evolution in mechanically treated mixtures of kaolinite and alumina hydrates (gibbsite and) Tj ETQq1 1 0.784314 rgBT /Overloc	5.7	44
124	Thermal formation of corundum from aluminium hydroxides prepared from various aluminium salts. Bulletin of Materials Science, 2000, 23, 301-304.	1.7	55
125	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
126	The system Ga <sub>2</sub> O <sub>3</sub> (Al <sub>2</sub> O <sub>3</sub> )-GeO <sub>2</sub> (SiO <sub>2</sub> ) studied by NMR, XRD, IR and DTA. Journal of Materials Chemistry, 2000, 10, 701-707.	6.7	13

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127	Multiple-Quantum and Cross-Polarized $^{27}\text{Al}$ MAS NMR of Mechanically Treated Mixtures of Kaolinite and Gibbsite. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6408-6416.	2.6	49
128	Effect of mechanochemical treatment on the synthesis of calcium dialuminate. <i>Journal of Materials Chemistry</i> , 2000, 10, 1019-1023.	6.7	20
129	Thermal decomposition of mechanically activated gibbsite. <i>Thermochimica Acta</i> , 1999, 327, 103-108.	2.7	107
130	Effect of mechanochemical treatment on the crystallization behaviour of diphasic mullite gel. <i>Ceramics International</i> , 1999, 25, 85-90.	4.8	30
131	The effect of water vapour atmospheres on the thermal transformation of kaolinite investigated by XRD, FTIR and solid state MAS NMR. <i>Journal of the European Ceramic Society</i> , 1999, 19, 105-112.	5.7	40
132	Porous properties of coprecipitated $\text{Al}_2\text{O}_3\text{-SiO}_2$ xerogels prepared from aluminium nitrate nonahydrate and tetraethylorthosilicate. <i>Journal of Materials Chemistry</i> , 1999, 9, 1307-1312.	6.7	27
133	Oxidation and Mechanical Behavior of Carbothermal $\beta\text{-SiAlON}$ Ceramics. <i>Journal of the Ceramic Society of Japan</i> , 1999, 107, 786-790.	1.3	8
134	Role of Water in the Mechanochemical Reactions of $\text{MgO-SiO}_2$ Systems. <i>Journal of Solid State Chemistry</i> , 1998, 138, 169-177.	2.9	78
135	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
136	Formation of mullite from mechanochemically activated oxides and hydroxides. <i>Journal of the European Ceramic Society</i> , 1998, 18, 831-835.	5.7	40
137	Mechanochemical preparation of aluminosilicate precursors from gibbsite-silicic acid mixtures. <i>Materials Letters</i> , 1998, 36, 48-51.	2.6	7
138	$\beta\text{-SiAlON}$ ceramics synthesised from a clay precursor by carbothermal reduction and nitridation. <i>Journal of Materials Chemistry</i> , 1998, 8, 977-983.	6.7	41
139	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
140	Characterization of aluminosilicate (mullite) precursors prepared by a mechanochemical process. <i>Journal of Materials Research</i> , 1998, 13, 2184-2189.	2.6	29
141	Early Stage Thermal Oxidation of Carbothermal $\beta\text{-SiAlON}$ Powder. <i>Journal of the American Ceramic Society</i> , 1998, 81, 266-268.	3.8	20
142	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
143	MAS NMR study of pentacoordinated magnesium in grandierite. <i>American Mineralogist</i> , 1997, 82, 479-482.	1.9	26
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