

Jadambaa Temuujin

List of Publications by Year in descending order

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79
papers

4,032
citations

159525

30
h-index

118793

62
g-index

80
all docs

80
docs citations

80
times ranked

3051
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Influence of calcium compounds on the mechanical properties of fly ash geopolymer pastes. Journal of Hazardous Materials, 2009, 167, 82-88. | 6.5 | 595 |
| 2 | Effect of mechanical activation of fly ash on the properties of geopolymer cured at ambient temperature. Journal of Materials Processing Technology, 2009, 209, 5276-5280. | 3.1 | 357 |
| 3 | Preparation and characterisation of fly ash based geopolymer mortars. Construction and Building Materials, 2010, 24, 1906-1910. | 3.2 | 270 |
| 4 | Thermal analysis of geopolymer pastes synthesised from five fly ashes of variable composition. Journal of Non-Crystalline Solids, 2012, 358, 1830-1839. | 1.5 | 200 |
| 5 | Assessing the suitability of three Australian fly ashes as an aluminosilicate source for geopolymers in high temperature applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3390-3397. | 2.6 | 193 |
| 6 | Preparation and thermal properties of fire resistant metakaolin-based geopolymer-type coatings. Journal of Non-Crystalline Solids, 2011, 357, 1399-1404. | 1.5 | 185 |
| 7 | Preparation of metakaolin based geopolymer coatings on metal substrates as thermal barriers. Applied Clay Science, 2009, 46, 265-270. | 2.6 | 164 |
| 8 | Effect of fly ash preliminary calcination on the properties of geopolymer. Journal of Hazardous Materials, 2009, 164, 634-639. | 6.5 | 159 |
| 9 | Characterisation of acid activated montmorillonite clay from Tuulant (Mongolia). Ceramics International, 2004, 30, 251-255. | 2.3 | 131 |
| 10 | Fly ash based geopolymer thin coatings on metal substrates and its thermal evaluation. Journal of Hazardous Materials, 2010, 180, 748-752. | 6.5 | 120 |
| 11 | Characterisation of class F fly ash geopolymer pastes immersed in acid and alkaline solutions. Cement and Concrete Composites, 2011, 33, 1086-1091. | 4.6 | 111 |
| 12 | Thermal decomposition of mechanically activated gibbsite. Thermochimica Acta, 1999, 327, 103-108. | 1.2 | 107 |
| 13 | Preparation of porous silica from vermiculite by selective leaching. Applied Clay Science, 2003, 22, 187-195. | 2.6 | 106 |
| 14 | Effect of mechanochemical activation on the thermal reactions of boehmite ($\hat{1}^3\text{-AlOOH}$) and $\hat{1}^3\text{-Al}_2\text{O}_3$. Thermochimica Acta, 2000, 359, 87-94. | 1.2 | 81 |
| 15 | Role of Water in the Mechanochemical Reactions of $\text{MgO}\hat{1}^{\text{SiO}}_2$ Systems. Journal of Solid State Chemistry, 1998, 138, 169-177. | 1.4 | 78 |
| 16 | Utilization of radioactive high-calcium Mongolian flyash for the preparation of alkali-activated geopolymers for safe use as construction materials. Ceramics International, 2014, 40, 16475-16483. | 2.3 | 73 |
| 17 | Processing and uses of fly ash addressing radioactivity (critical review). Chemosphere, 2019, 216, 866-882. | 4.2 | 63 |
| 18 | Preparation of Porous Silica from Mechanically Activated Kaolinite. Journal of Porous Materials, 2001, 8, 233-238. | 1.3 | 60 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Thermal formation of corundum from aluminium hydroxides prepared from various aluminium salts. <i>Bulletin of Materials Science</i> , 2000, 23, 301-304. | 0.8 | 55 |
| 20 | Thermal properties of spray-coated geopolymer-type compositions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 287-292. | 2.0 | 51 |
| 21 | 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. | 1.9 | 45 |
| 22 | Phase evolution in mechanically treated mixtures of kaolinite and alumina hydrates (gibbsite and) <i>Tj ETQq0 0 0 rgBT (Overlock 10 Tf 50</i> | 2.8 | 44 |
| 23 | Mechanochemical synthesis and sintering behaviour of magnesium aluminate spinel. <i>Journal of Materials Science</i> , 2000, 35, 5529-5535. | 1.7 | 44 |
| 24 | Characterization of porous silica prepared from mechanically amorphized kaolinite by selective leaching. <i>Powder Technology</i> , 2001, 121, 259-262. | 2.1 | 41 |
| 25 | Formation of mullite from mechanochemically activated oxides and hydroxides. <i>Journal of the European Ceramic Society</i> , 1998, 18, 831-835. | 2.8 | 40 |
| 26 | 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. | 2.8 | 40 |
| 27 | Characterization of various fly ashes for preparation of geopolymers with advanced applications. <i>Advanced Powder Technology</i> , 2013, 24, 495-498. | 2.0 | 40 |
| 28 | Effect of grinding on the leaching behaviour of pyrophyllite. <i>Journal of the European Ceramic Society</i> , 2003, 23, 1277-1282. | 2.8 | 36 |
| 29 | Characterization and bleaching properties of acid-leached montmorillonite. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 688-693. | 1.6 | 36 |
| 30 | Synthesis of Y-type hexaferrites via a soft mechanochemical route. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3903-3908. | 1.4 | 34 |
| 31 | 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 |
| 32 | Effect of mechanochemical treatment on the crystallization behaviour of diphasic mullite gel. <i>Ceramics International</i> , 1999, 25, 85-90. | 2.3 | 30 |
| 33 | Characterization of aluminosilicate (mullite) precursors prepared by a mechanochemical process. <i>Journal of Materials Research</i> , 1998, 13, 2184-2189. | 1.2 | 29 |
| 34 | Preparation and porous properties of materials prepared by selective leaching of phlogopite. <i>Clays and Clay Minerals</i> , 2002, 50, 624-632. | 0.6 | 26 |
| 35 | Mechanochemical processing of sialon compositions. <i>Journal of the European Ceramic Society</i> , 2003, 23, 1069-1082. | 2.8 | 23 |
| 36 | Properties of geopolymer binders prepared from milled pond ash. <i>Materiales De Construccion</i> , 2017, 67, 134. | 0.2 | 23 |

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|----|---|-----|-----------|
| 37 | Effect of mechanochemical treatment on the synthesis of calcium dialuminate. <i>Journal of Materials Chemistry</i> , 2000, 10, 1019-1023. | 6.7 | 20 |
| 38 | 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. | 2.6 | 19 |
| 39 | Simultaneous uptake of ammonium and phosphate ions by composites of γ -alumina/potassium aluminosilicate gel. <i>Materials Research Bulletin</i> , 2003, 38, 749-756. | 2.7 | 18 |
| 40 | Synthesis of new triple molybdates $K_5RZr(MoO_4)_6$ ($R = Al, Cr, Fe, In, Sc$) in the $K_2MoO_4-R_2(MoO_4)_3-Zr(MoO_4)_2$ systems, their structure and electrical properties. <i>Journal of Alloys and Compounds</i> , 2018, 741, 834-839. | 2.8 | 17 |
| 41 | Reactivity of fly ashes milled in different milling devices. <i>Reviews on Advanced Materials Science</i> , 2019, 58, 179-188. | 1.4 | 17 |
| 42 | Direct Synthesis of Tungsten Carbide Nanoparticles by Mechanically Assisted Carbothermic Reduction of Natural Wolframite. <i>Journal of the American Ceramic Society</i> , 2005, 88, 983-985. | 1.9 | 16 |
| 43 | Preparation and characterization of Z-type hexaferrites, $Ba_3(1-x)Sr_xCo_2Fe_{24}O_{41}$ with $x = 0-0.5$, via a two-step calcination with an intermediate wet milling. <i>Journal of Electroceramics</i> , 2006, 17, 61-64. | 0.8 | 16 |
| 44 | Preparation and properties of ferromagnetic Z-type hexaferrite from wet milled mixtures of intermediates. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 724-731. | 1.0 | 16 |
| 45 | Zeolite formation by hydrothermal treatment of waste solution from selectively leached kaolinite. <i>Materials Letters</i> , 2002, 52, 91-95. | 1.3 | 15 |
| 46 | A new double molybdate of erbium and zirconium, its crystalline structure and properties. <i>Journal of Alloys and Compounds</i> , 2017, 701, 750-753. | 2.8 | 15 |
| 47 | Characterization of nanoporous materials prepared from montmorillonite clay and its application to the decolorization of mare's milk oil. <i>Journal of Porous Materials</i> , 2006, 13, 49-53. | 1.3 | 14 |
| 48 | Influence of mechanical distortion on the solubility of fluorapatite. <i>Minerals Engineering</i> , 2007, 20, 194-196. | 1.8 | 11 |
| 49 | Preparation of aluminosilicate precursor by mechanochemical method from gibbsite-fumed silica mixtures. <i>Bulletin of Materials Science</i> , 1998, 21, 185-187. | 0.8 | 9 |
| 50 | Nanoporous inorganic materials from mineral templates. <i>Current Applied Physics</i> , 2004, 4, 167-170. | 1.1 | 9 |
| 51 | Benefits of Mild Wet Milling of the Intermediates for the Synthesis of Phase-pure Z-type Hexaferrite. <i>Journal of Materials Research</i> , 2005, 20, 1939-1942. | 1.2 | 9 |
| 52 | Effect of pretreatment on synchysite-Ce ($CaCe(CO_3)_2F$) leaching. <i>Minerals Engineering</i> , 2007, 20, 807-809. | 1.8 | 8 |
| 53 | Preparation of copper and silicon/copper powders by a gas evaporation-condensation method. <i>Bulletin of Materials Science</i> , 2009, 32, 543-547. | 0.8 | 8 |
| 54 | Synthesis of Zeolite A from Mongolian Coal Fly Ash by Hydrothermal Treatment. <i>Solid State Phenomena</i> , 0, 271, 1-8. | 0.3 | 8 |

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|----|--|-----|-----------|
| 55 | Mechanochemical preparation of aluminosilicate precursors from gibbsite-silicic acid mixtures. <i>Materials Letters</i> , 1998, 36, 48-51. | 1.3 | 7 |
| 56 | 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. | 2.8 | 7 |
| 57 | Mechanical activation of MoS ₂ +Na ₂ O ₂ mixtures. <i>Minerals Engineering</i> , 2009, 22, 415-418. | 1.8 | 7 |
| 58 | Characterization of Efflorescences of Ambient and Elevated Temperature Cured Fly Ash Based Geopolymer Type Concretes. <i>Advanced Materials Research</i> , 0, 1139, 25-29. | 0.3 | 7 |
| 59 | Study of Geopolymer Type Paste and Concrete from High Calcium Mongolian Fly Ashes. <i>Transactions of the Indian Ceramic Society</i> , 2014, 73, 157-160. | 0.4 | 5 |
| 60 | Comparative Studies of Alkali Activated South African Class F and Mongolian Class C Fly Ashes. <i>Waste and Biomass Valorization</i> , 2018, 9, 1047-1060. | 1.8 | 5 |
| 61 | Effect of Mechanical Activation of Fluidized Bed Fly Ash on Geopolymer Properties. <i>Solid State Phenomena</i> , 2019, 288, 51-58. | 0.3 | 5 |
| 62 | Effects of Mechanical Activation on the Synthesis of WC from Wolframite (FeWO ₄) and Graphite. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2005, 24-25, 581-584. | 0.1 | 3 |
| 63 | Crystallization of M-type hexagonal ferrites from mechanically activated mixtures of barium carbonate and goethite. <i>Bulletin of Materials Science</i> , 2006, 29, 457-460. | 0.8 | 3 |
| 64 | Fundamentals of Geopolymers and Related Alkali Activated Materials. <i>Materials Science Forum</i> , 2014, 803, 144-147. | 0.3 | 3 |
| 65 | Phosphorus fertilizer prepared from natural Burenkhaan phosphorite (Mongolia) by a mechanical activation. <i>Geosystem Engineering</i> , 2016, 19, 119-124. | 0.7 | 3 |
| 66 | Characterisation of granulometric composition of a Mongolian fly ash and its application for value added products. , 2013, , . | | 2 |
| 67 | Leaching of a Mongolian chalcopryrite concentrate. <i>Mongolian Journal of Chemistry</i> , 2019, 19, 1-4. | 0.1 | 2 |
| 68 | Title is missing!. <i>Journal of Porous Materials</i> , 2002, 9, 155-159. | 1.3 | 1 |
| 69 | Water Content and Water Evolution from Reaction-Bonded Aluminum Oxide (RBAO) Powder Precursors. <i>International Journal of Applied Ceramic Technology</i> , 2008, 5, 289-294. | 1.1 | 1 |
| 70 | Preparation of geopolymer type binder from Mongolian fly ash and its characterisation. , 2013, , . | | 1 |
| 71 | Characterization of Glass Ceramics Produced from Natural and Waste Raw Materials. <i>Solid State Phenomena</i> , 0, 271, 23-27. | 0.3 | 1 |
| 72 | The Latest Research in Mongolia on the Utilization of Coal Combustion By-Products. <i>Solid State Phenomena</i> , 0, 323, 8-13. | 0.3 | 1 |

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|----|--|-----|-----------|
| 73 | Preparation of Zeolitic Compounds From Fly Ash. , 2012, , . | | 1 |
| 74 | Preparation of zeolitic compounds from high calcium fly ash. , 2011, , . | | 0 |
| 75 | Carbothermic reactions of mechanically milled coal and wolframite mixtures under Ar and N2 atmospheres. Journal of Thermal Analysis and Calorimetry, 2015, 121, 597-601. | 2.0 | 0 |
| 76 | Thermal Reactions of Mechanically Milled Wolframite and Thermal Coal Mixtures. Advanced Materials Research, 2016, 1139, 7-11. | 0.3 | 0 |
| 77 | Preface Vol.20. Mongolian Journal of Chemistry, 2019, 20, i. | 0.1 | 0 |
| 78 | Preface - vol. 20. Mongolian Journal of Chemistry, 2020, 21, i. | 0.1 | 0 |
| 79 | Preface - volume 22(48), 2021. Mongolian Journal of Chemistry, 2021, 22, i. | 0.1 | 0 |