

Anuraag Gaddam

List of Publications by Year in descending order

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119
papers

3,548
citations

136950

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3797
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Robocasting and surface functionalization with highly bioactive glass of ZrO_2 scaffolds for load bearing applications. <i>Journal of the American Ceramic Society</i> , 2022, 105, 1753-1764. | 3.8 | 8 |
| 2 | Use of colemanite and borax penta-hydrate in soda lime silicate glass melting - A strategy to reduce energy consumption and improve glass properties. <i>Ceramics International</i> , 2022, 48, 1181-1190. | 4.8 | 2 |
| 3 | Tunable femtosecond nonlinear absorption and optical limiting thresholds of $La_2O_3 \cdot B_2O_3$ glasses by controlling the borate structural units. <i>Scripta Materialia</i> , 2022, 211, 114530. | 5.2 | 24 |
| 4 | Elucidating the influence of structure and Ag^+Na^+ ion-exchange on crack-resistance and ionic conductivity of $Na_3Al_{1.8}Si_{1.65}P_{1.8}O_{12}$ glass electrolyte. <i>Acta Materialia</i> , 2022, 227, 117745. | 7.9 | 6 |
| 5 | Robocasting of 3D printed and sintered ceria scaffold structures with hierarchical porosity for solar thermochemical fuel production from the splitting of CO_2 . <i>Nanoscale</i> , 2022, 14, 4994-5001. | 5.6 | 10 |
| 6 | New and Efficient Bioactive Glass Compositions for Controlling Endodontic Pathogens. <i>Nanomaterials</i> , 2022, 12, 1577. | 4.1 | 4 |
| 7 | Role of vanadium oxide on the lithium silicate glass structure and properties. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2495-2505. | 3.8 | 10 |
| 8 | Fabrication of three dimensional bioactive Sr^{2+} substituted apatite scaffolds by gel casting technique for hard tissue regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021, 15, 577-585. | 2.7 | 5 |
| 9 | Development of microfibers for bone regeneration based on alkali-free bioactive glasses doped with boron oxide. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4492-4504. | 3.8 | 4 |
| 10 | Three-dimensional printing of zirconia scaffolds for load bearing applications: Study of the optimal fabrication conditions. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4368-4380. | 3.8 | 18 |
| 11 | Effect of Vanadium Oxide on the Structure and Li-Ion Conductivity of Lithium Silicate Glasses. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16843-16857. | 3.1 | 5 |
| 12 | Ionic Conductivity of $Na_3Al_2P_3O_{12}$ Glass Electrolytes - Role of Charge Compensators. <i>Inorganic Chemistry</i> , 2021, 60, 12893-12905. | 4.0 | 20 |
| 13 | Sol-Gel Synthesis and Characterization of a Quaternary Bioglass for Bone Regeneration and Tissue Engineering. <i>Materials</i> , 2021, 14, 4515. | 2.9 | 10 |
| 14 | 3D Printing of Macro Porous Sol-Gel Derived Bioactive Glass Scaffolds and Assessment of Biological Response. <i>Materials</i> , 2021, 14, 5946. | 2.9 | 8 |
| 15 | Highly Porous Composite Scaffolds Endowed with Antibacterial Activity for Multifunctional Grafts in Bone Repair. <i>Polymers</i> , 2021, 13, 4378. | 4.5 | 9 |
| 16 | Design and synthesis of foam glasses from recycled materials. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 64-74. | 2.1 | 8 |
| 17 | The Beneficial Mechanical and Biological Outcomes of Thin Copper-Gallium Doped Silica-Rich Bio-Active Glass Implant-Type Coatings. <i>Coatings</i> , 2020, 10, 1119. | 2.6 | 23 |
| 18 | Combined Occupancy of Gadolinium at the Lattice Sites of $Ca_3(PO_4)_2$ and ZrO_2 Crystal Structures. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1163-1171. | 2.0 | 4 |

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| 19 | Direct Ink Writing Glass: A Preliminary Step for Optical Application. <i>Materials</i> , 2020, 13, 1636. | 2.9 | 16 |
| 20 | Robocasting: Prediction of ink printability in solgel bioactive glass. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1608-1618. | 3.8 | 13 |
| 21 | Cytotoxicity and bioactivity assessments for Cu ²⁺ and La ³⁺ doped high silica sol-gel derived bioglasses: The complex interplay between additive ions revealed. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2680-2693. | 4.0 | 7 |
| 22 | Structure and Stability of High CaO- and P2O5-Containing Silicate and Borosilicate Bioactive Glasses. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7558-7569. | 2.6 | 14 |
| 23 | Surface functionalization of cuttlefish bone-derived biphasic calcium phosphate scaffolds with polymeric coatings. <i>Materials Science and Engineering C</i> , 2019, 105, 110014. | 7.3 | 22 |
| 24 | Cuttlefish Bone-Derived Biphasic Calcium Phosphate Scaffolds Coated with Sol-Gel Derived Bioactive Glass. <i>Materials</i> , 2019, 12, 2711. | 2.9 | 5 |
| 25 | Robocasting of Cu ²⁺ & La ³⁺ doped sol-gel glass scaffolds with greatly enhanced mechanical properties: Compressive strength up to 14 MPa. <i>Acta Biomaterialia</i> , 2019, 87, 265-272. | 8.3 | 18 |
| 26 | Dielectric and optical properties of Ni- and Fe-doped CeO ₂ Nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1. | 2.3 | 18 |
| 27 | Structural and Femtosecond Third-Order Nonlinear Optical Properties of Sodium Borate Oxide Glasses: Effect of Antimony. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5591-5602. | 3.1 | 68 |
| 28 | Elucidating the formation of Al-NBO bonds, Al-O-Al linkages and clusters in alkaline-earth aluminosilicate glasses based on molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23966-23977. | 2.8 | 20 |
| 29 | The structural role of lanthanum oxide in silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 505, 18-27. | 3.1 | 24 |
| 30 | Direct ink writing of macroporous lead-free piezoelectric Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ . <i>Journal of the American Ceramic Society</i> , 2019, 102, 3191-3203. | 3.8 | 29 |
| 31 | Doping β -TCP as a Strategy for Enhancing the Regenerative Potential of Composite β -TCP Alkali-Free Bioactive Glass Bone Grafts. Experimental Study in Rats. <i>Materials</i> , 2019, 12, 4. | 2.9 | 17 |
| 32 | Structure and Crystallization of Alkaline-Earth Aluminosilicate Glasses: Prevention of the Alumina-Avoidance Principle. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4737-4747. | 2.6 | 42 |
| 33 | Effects of catalysts on polymerization and microstructure of sol-gel derived bioglasses. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2831-2839. | 3.8 | 10 |
| 34 | Enhanced bioactivity of a rapidly-dried sol-gel derived quaternary bioglass. <i>Materials Science and Engineering C</i> , 2018, 91, 36-43. | 7.3 | 18 |
| 35 | Synthesis and bioactivity assessment of high silica content quaternary glasses with C/a: P ratios of 1.5 and 1.67, made by a rapid sol-gel process. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 510-520. | 4.0 | 13 |
| 36 | The roles of P ₂ O ₅ and SiO ₂ /Li ₂ O ratio on the network structure and crystallization kinetics of non-stoichiometric lithium disilicate based glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 512-521. | 3.1 | 37 |

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| 37 | Bioactive Glasses and Glass-Ceramics for Healthcare Applications in Bone Regeneration and Tissue Engineering. <i>Materials</i> , 2018, 11, 2530. | 2.9 | 196 |
| 38 | Cationic Substitutions in Hydroxyapatite: Current Status of the Derived Biofunctional Effects and Their In Vitro Interrogation Methods. <i>Materials</i> , 2018, 11, 2081. | 2.9 | 179 |
| 39 | Synthetic and Marine-Derived Porous Scaffolds for Bone Tissue Engineering. <i>Materials</i> , 2018, 11, 1702. | 2.9 | 55 |
| 40 | The <i>in vivo</i> performance of an alkali-free bioactive glass for bone grafting, $\text{F}^{+}\text{O}^{\oplus}\text{BG}$, assessed with an ovine model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 30-38. | 3.4 | 25 |
| 41 | A hundred times faster: Novel, rapid sol-gel synthesis of bio-glass nanopowders (Si-Na-Ca system, $\text{Ca:P} = 1:1$) | 2.0 | 0.7843 |
| 42 | Understanding the Formation of $\text{CaAl}_2\text{Si}_2\text{O}_8$ in Melilite-Based Glass-Ceramics: Combined Diffraction and Spectroscopic Studies. <i>ACS Omega</i> , 2017, 2, 6233-6243. | 3.5 | 26 |
| 43 | Structure and thermal relaxation of network units and crystallization of lithium silicate based glasses doped with oxides of Al and B. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26034-26046. | 2.8 | 9 |
| 44 | Additive manufacturing of 3D porous alkali-free bioactive glass scaffolds for healthcare applications. <i>Journal of Materials Science</i> , 2017, 52, 12079-12088. | 3.7 | 21 |
| 45 | Nanocrystalline ZnO-SnO_2 mixed metal oxide powder: microstructural study, optical properties, and photocatalytic activity. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 274-282. | 2.4 | 16 |
| 46 | Osteogenic capacity of alkali-free bioactive glasses. <i>In vitro</i> studies. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2360-2365. | 3.4 | 26 |
| 47 | Novel route for rapid sol-gel synthesis of hydroxyapatite, avoiding ageing and using fast drying with a 50-fold to 200-fold reduction in process time. <i>Materials Science and Engineering C</i> , 2017, 70, 796-804. | 7.3 | 59 |
| 48 | The key Features expected from a Perfect Bioactive Glass "How Far we still are from an Ideal Composition?". <i>Biomedical Journal of Scientific & Technical Research</i> , 2017, 1, . | 0.1 | 5 |
| 49 | Composite and Nanocomposite Metal Foams. <i>Materials</i> , 2016, 9, 79. | 2.9 | 102 |
| 50 | Statistics of silicate units in binary glasses. <i>Journal of Chemical Physics</i> , 2016, 145, 124505. | 3.0 | 7 |
| 51 | The Influence of Cu^{2+} and Mn^{2+} Ions on the Structure and Crystallization of Diopside-Calcium Pyrophosphate Bioglasses. <i>International Journal of Applied Glass Science</i> , 2016, 7, 345-354. | 2.0 | 5 |
| 52 | Influence of Al_2O_3 and B_2O_3 on Sintering and Crystallization of Lithium Silicate Glass System. <i>Journal of the American Ceramic Society</i> , 2016, 99, 833-840. | 3.8 | 12 |
| 53 | Insights on the properties of levofloxacin-adsorbed Sr- and Mg-doped calcium phosphate powders. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 123. | 3.6 | 9 |
| 54 | Understanding the composition-structure-bioactivity relationships in diopside (CaO-MgO-2SiO_2)-tricalcium phosphate ($3\text{CaO-P}_2\text{O}_5$) glass system. <i>Acta Biomaterialia</i> , 2015, 15, 210-226. | 8.3 | 34 |

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| 55 | Development of bilayer glass-ceramic SOFC sealants via optimizing the chemical composition of glasses—a review. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2899-2916. | 2.5 | 24 |
| 56 | Influence of ZnO/MgO substitution on sintering, crystallisation, and bio-activity of alkali-free glass-ceramics. <i>Materials Science and Engineering C</i> , 2015, 53, 252-261. | 7.3 | 27 |
| 57 | Influence of Strontium Oxide on Structural Transformations in Diopside-Based Glass-Ceramics Assessed by Diverse Structural Tools. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11482-11492. | 3.1 | 15 |
| 58 | Glass structure and crystallization of Al and B containing glasses belonging to the $\text{Li}_2\text{O}-\text{SiO}_2$ system. <i>RSC Advances</i> , 2015, 5, 41066-41078. | 3.6 | 25 |
| 59 | Effects of M-Doping and of Reinforcing Multiwalled Carbon Nanotubes Content on the Structure and Properties of Hydroxyapatite Nanocomposite Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 264-272. | 2.1 | 4 |
| 60 | Role of glass structure in defining the chemical dissolution behavior, bioactivity and antioxidant properties of zinc and strontium co-doped alkali-free phosphosilicate glasses. <i>Acta Biomaterialia</i> , 2014, 10, 3264-3278. | 8.3 | 64 |
| 61 | Fabrication of Barium Strontium Titanate ($\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$) 3D Microcomponents from Aqueous Suspensions. <i>Journal of the American Ceramic Society</i> , 2014, 97, 725-732. | 3.8 | 17 |
| 62 | Role of manganese on the structure, crystallization and sintering of non-stoichiometric lithium disilicate glasses. <i>RSC Advances</i> , 2014, 4, 13581. | 3.6 | 28 |
| 63 | Structure, biodegradation behavior and cytotoxicity of alkali-containing alkaline-earth phosphosilicate glasses. <i>Materials Science and Engineering C</i> , 2014, 44, 159-165. | 7.3 | 33 |
| 64 | Structure, properties and crystallization of non-stoichiometric lithium disilicate glasses containing CaF_2 . <i>Journal of Non-Crystalline Solids</i> , 2014, 406, 54-61. | 3.1 | 5 |
| 65 | Thermal and mechanical stability of lanthanide-containing glass-ceramic sealants for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1834-1846. | 10.3 | 31 |
| 66 | Multifunctional materials for bone cancer treatment. <i>International Journal of Nanomedicine</i> , 2014, 9, 2713. | 6.7 | 64 |
| 67 | $\text{Al}_2\text{O}_3/\text{K}_2\text{O}$ -containing non-stoichiometric lithium disilicate-based glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1359-1368. | 3.6 | 8 |
| 68 | Structural role of zinc in biodegradation of alkali-free bioactive glasses. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3073. | 5.8 | 54 |
| 69 | Sintering and devitrification of glass-powder compacts in the akermanite-gehlenite system. <i>Journal of Materials Science</i> , 2013, 48, 4128-4136. | 3.7 | 27 |
| 70 | The role of P_2O_5 , TiO_2 and ZrO_2 as nucleating agents on microstructure and crystallization behaviour of lithium disilicate-based glass. <i>Journal of Materials Science</i> , 2013, 48, 765-773. | 3.7 | 65 |
| 71 | Melilite glass-ceramic sealants for solid oxide fuel cells: effects of ZrO_2 additions assessed by microscopy, diffraction and solid-state NMR. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6471. | 10.3 | 13 |
| 72 | $\text{KCa}_4(\text{BO}_3)_3:\text{Ln}^{3+}$ ($\text{Ln} = \text{Dy}, \text{Eu}, \text{Tb}$) phosphors for near UV excited white-light-emitting diodes. <i>AIP Advances</i> , 2013, 3, . | 1.3 | 53 |

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| 73 | Hydrolysis Control of AlN Powders for the Aqueous Processing of Spherical AlN Granules. Journal of the American Ceramic Society, 2013, 96, 1383-1389. | 3.8 | 20 |
| 74 | Structural and Optical Investigation of Rare Earth Doped Oxyfluoride Glasses. Transactions of the Indian Ceramic Society, 2013, 72, 18-20. | 1.0 | 6 |
| 75 | Lithium Disilicate based Glass-Ceramics for Dental Applications. Transactions of the Indian Ceramic Society, 2013, 72, 56-60. | 1.0 | 9 |
| 76 | Sintering behavior of lanthanide-containing glass-ceramic sealants for solid oxide fuel cells. Journal of Materials Chemistry, 2012, 22, 10042. | 6.7 | 41 |
| 77 | Influence of the annealing temperatures on the photoluminescence of KCaBO ₃ :Eu ³⁺ phosphor. RSC Advances, 2012, 2, 8768. | 3.6 | 61 |
| 78 | Study of melilite based glasses and glass-ceramics nucleated by Bi ₂ O ₃ for functional applications. RSC Advances, 2012, 2, 10955. | 3.6 | 29 |
| 79 | Alkali-free bioactive glasses for bone tissue engineering: A preliminary investigation. Acta Biomaterialia, 2012, 8, 361-372. | 8.3 | 96 |
| 80 | Characterization of cement-bonded particleboards manufactured with maritime pine, blue gum and cork grown in Portugal. European Journal of Wood and Wood Products, 2012, 70, 107-111. | 2.9 | 7 |
| 81 | Diopside (CaO·MgO·2SiO ₂) fluorapatite (9CaO·3P ₂ O ₅ ·CaF ₂) glass-ceramics: potential materials for bone tissue engineering. Journal of Materials Chemistry, 2011, 21, 16247. | 6.7 | 41 |
| 82 | Structure, surface reactivity and physico-chemical degradation of fluoride containing phospho-silicate glasses. Journal of Materials Chemistry, 2011, 21, 8074. | 6.7 | 41 |
| 83 | Hydrolysis-Induced Aqueous Gelcasting of Magnesium Aluminate Spinel. International Journal of Applied Ceramic Technology, 2011, 8, 873-884. | 2.1 | 8 |
| 84 | Cosubstitution of Zinc and Strontium in ¹² -Tricalcium Phosphate: Synthesis and Characterization. Journal of the American Ceramic Society, 2011, 94, 230-235. | 3.8 | 27 |
| 85 | Melt-Derived Condensed Polymorphic Calcium Phosphate as Bone Substitute Material: An <i>In Vitro</i> Study. Journal of the American Ceramic Society, 2011, 94, 3023-3029. | 3.8 | 7 |
| 86 | Influence of strontium on structure, sintering and biodegradation behaviour of CaO·MgO·SrO·SiO ₂ ·P ₂ O ₅ ·CaF ₂ glasses. Acta Biomaterialia, 2011, 7, 4071-4080. | 8.3 | 98 |
| 87 | Structural characterisation and thermo-physical properties of glasses in the Li ₂ O·SiO ₂ ·Al ₂ O ₃ ·K ₂ O system. Journal of Thermal Analysis and Calorimetry, 2011, 103, 827-834. | 3.6 | 18 |
| 88 | Dynamic Stability of Organic Conducting Polymers and Its Replication in Electrical Conduction and Degradation Mechanisms. Advanced Functional Materials, 2011, 21, 2240-2250. | 14.9 | 2 |
| 89 | The effect of TiO ₂ and P ₂ O ₅ on densification behavior and properties of Anortite-Diopside glass-ceramic substrates. Journal of Electroceramics, 2010, 25, 38-44. | 2.0 | 10 |
| 90 | Structural analysis and thermal behavior of diopside fluorapatite wollastonite-based glasses and glass-ceramics. Acta Biomaterialia, 2010, 6, 4380-4388. | 8.3 | 59 |

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| 91 | Structure, Sintering, and Crystallization Kinetics of Alkaline-Earth Aluminosilicate Glass-Ceramic Sealants for Solid Oxide Fuel Cells. Journal of the American Ceramic Society, 2010, 93, 830-837. | 3.8 | 36 |
| 92 | Sintering and crystallization behavior of CaMgSi ₂ O ₆ -NaFeSi ₂ O ₆ based glass-ceramics. Journal of Applied Physics, 2009, 106, . | 2.5 | 7 |
| 93 | Single step synthesis of nanosized CeO ₂ -MxOy mixed oxides (MxOy=SiO ₂ , TiO ₂ , ZrO ₂ , and Al ₂ O ₃) by microwave induced solution combustion synthesis: characterization and CO oxidation. Journal of Materials Science, 2009, 44, 2743-2751. | 3.7 | 45 |
| 94 | Characterization and photocatalytic activity of TiO ₂ -M x O y (M x O y =SiO ₂ , Al ₂ O ₃ , and ZrO ₂) mixed oxides synthesized by microwave-induced solution combustion technique. Journal of Materials Science, 2009, 44, 4874-4882. | 3.7 | 29 |
| 95 | Thermal stability and crystallization kinetics of ternary Se-Te-Sb semiconducting glassy alloys. Journal of Thermal Analysis and Calorimetry, 2009, 98, 347-354. | 3.6 | 36 |
| 96 | Microwave-assisted Synthesis and Structural Characterization of Nanosized Ce _{0.5} Zr _{0.5} O ₂ for CO Oxidation. Catalysis Letters, 2009, 130, 227-234. | 2.6 | 31 |
| 97 | Gelcasting of Magnesium Aluminate Spinel Powder. Journal of the American Ceramic Society, 2009, 92, 350-357. | 3.8 | 35 |
| 98 | Formation and Densification Behavior of Mullite Aggregates from Beach Sand Sillimanite. Journal of the American Ceramic Society, 2008, 91, 2464-2468. | 3.8 | 4 |
| 99 | Study of Crystallization Kinetics in Glasses along the Diopside-Ca-Tschermak Join. Journal of the American Ceramic Society, 2008, 91, 2690-2697. | 3.8 | 21 |
| 100 | Crystallization Process and Some Properties of Li ₂ O-SiO ₂ Glass-Ceramics Doped with Al ₂ O ₃ and K ₂ O. Journal of the American Ceramic Society, 2008, 91, 3698-3703. | 3.8 | 34 |
| 101 | Hydrogen-Generation Materials for Portable Applications. Journal of the American Ceramic Society, 2008, 91, 3825-3834. | 3.8 | 132 |
| 102 | Influence of ZnO on the crystallization kinetics and properties of diopside-Ca-Tschermak based glasses and glass-ceramics. Journal of Applied Physics, 2008, 104, 043529. | 2.5 | 17 |
| 103 | Physicochemical Mechanism for the Continuous Reaction of γ -Al ₂ O ₃ -Modified Aluminum Powder with Water. Journal of the American Ceramic Society, 2007, 90, 1521-1526. | 3.8 | 147 |
| 104 | Nano-TiO ₂ -Coated Unidirectional Porous Glass Structure Prepared by Freeze Drying and Solution Infiltration. Journal of the American Ceramic Society, 2007, 90, 1265-1268. | 3.8 | 26 |
| 105 | Effect of BaO Addition on Crystallization, Microstructure, and Properties of Diopside-Ca-Tschermak Clinopyroxene-Based Glass-Ceramics. Journal of the American Ceramic Society, 2007, 90, 2236-2244. | 3.8 | 22 |
| 106 | Influence of Li ₂ O Doping on Non-Isothermal Evolution of Phases in K-Na-Containing Aluminosilicate Matrix. Journal of the American Ceramic Society, 2006, 89, 292-297. | 3.8 | 3 |
| 107 | Characterization and Mechanical Performance of the Mg-Stabilized beta-Ca ₃ (PO ₄) ₂ Prepared from Mg-Substituted Ca-Deficient Apatite. Journal of the American Ceramic Society, 2006, 89, 060623005134017-??? | 3.8 | 12 |
| 108 | A new model formulation of the SiO ₂ -Al ₂ O ₃ -B ₂ O ₃ -MgO-CaO-Na ₂ O-F glass-ceramics. Biomaterials, 2005, 26, 2255-2264. | 11.4 | 35 |

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| 109 | Fabrication of Highly Porous Mullite Materials. Journal of the American Ceramic Society, 2005, 88, 777-779. | 3.8 | 83 |
| 110 | Temperature-Induced Gelation of Concentrated Sialon Suspensions. Journal of the American Ceramic Society, 2005, 88, 593-598. | 3.8 | 28 |
| 111 | SiALON Ceramics Obtained by Slip Casting and Pressureless Sintering. Journal of the American Ceramic Society, 2003, 86, 366-368. | 3.8 | 15 |
| 112 | Hydrothermal Synthesis of Submicrometer Alumina from Seeded Tetraethylammonium Hydroxide-Peptized Aluminum Hydroxide. Journal of the American Ceramic Society, 2003, 86, 2055-2058. | 3.8 | 15 |
| 113 | Fabrication of Si-alon sheets by tape casting and pressureless sintering. Journal of Materials Research, 2003, 18, 1363-1367. | 2.6 | 5 |
| 114 | Hydrothermal synthesis of well-dispersed TiO ₂ nano-crystals. Journal of Materials Research, 2002, 17, 2197-2200. | 2.6 | 28 |
| 115 | Synthesis, Characterization, and Processing of Cordierite-Glass Particles Modified by Coating with an Alumina Precursor. Journal of the American Ceramic Society, 2002, 85, 155-160. | 3.8 | 4 |
| 116 | Feedstock Formulations for Direct Consolidation of Porcelains with Polysaccharides. Journal of the American Ceramic Society, 2001, 84, 719-725. | 3.8 | 24 |
| 117 | Hydrothermal Synthesis of Nanosized Titania Powders: Influence of Tetraalkyl Ammonium Hydroxides on Particle Characteristics. Journal of the American Ceramic Society, 2001, 84, 1696-1702. | 3.8 | 94 |
| 118 | Effect of Solids Loading on Slip-Casting Performance of Silicon Carbide Slurries. Journal of the American Ceramic Society, 1999, 82, 1993-2000. | 3.8 | 51 |
| 119 | Coprecipitation and Processing of Mullite Precursor Phases. Journal of the American Ceramic Society, 1996, 79, 1756-1760. | 3.8 | 15 |