# Xiaolei Shi

## List of Publications by Year in descending order



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|---|---|---|---|
| 47 papers | 823 citations | 430874 18 h-index | 552781 26 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 776 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 3D printing of extended-release tablets of theophylline using hydroxypropyl methylcellulose (HPMC) hydrogels. International Journal of Pharmaceutics, 2020, 591, 119983. | 5.2 | 84 |
| 2 | An integrated manufacturing strategy to fabricate delivery system using gelatin/alginate hybrid hydrogels: 3D printing and freeze-drying. Food Hydrocolloids, 2021, 111, 106262. | 10.7 | 63 |
| 3 | Synthesis and photocatalytic H<sub>2</sub>â€production activity of plasmaâ€treated Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene modified graphitic carbon nitride. Journal of the American Ceramic Society, 2020, 103, 849-858. | 3.8 | 49 |
| 4 | Allergenic Properties of Enzymatically Hydrolyzed Peanut Flour Extracts. International Archives of Allergy and Immunology, 2013, 162, 123-130. | 2.1 | 37 |
| 5 | Hydrothermal synthesis and multicolor luminescence properties of Dy 3+ /Eu 3+ co-doped KLa(MoO 4 ) 2 phosphors. Ceramics International, 2016, 42, 7781-7786. | 4.8 | 33 |
| 6 | Effects of pH and Sm3+ doping on the structure, morphology and luminescence properties of BiPO4:Sm3+ phosphors prepared by hydrothermal method. Ceramics International, 2015, 41, 3162-3168. | 4.8 | 30 |
| 7 | 3D printing and characterization of hydroxypropyl methylcellulose and methylcellulose for biodegradable support structures. Polymer, 2019, 173, 119-126. | 3.8 | 29 |
| 8 | Printability of a Cellulose Derivative for Extrusion-Based 3D Printing: The Application on a Biodegradable Support Material. Frontiers in Materials, 2020, 7, . | 2.4 | 28 |
| 9 | Enhancement of red emission in KLa(MoO4)2:Eu3+, Bi3+ phosphor for WLEDs. Ceramics International, 2015, 41, 14834-14838. | 4.8 | 26 |
| 10 | Microstructures and magnetic properties of low temparature sintering NiCuZn ferrite ceramics for microwave applications. Ceramics International, 2019, 45, 22163-22168. | 4.8 | 26 |
| 11 | Development of a shelf-stable, gel-based delivery system for probiotics by encapsulation, 3D printing, and freeze-drying. LWT - Food Science and Technology, 2022, 157, 113075. | 5.2 | 25 |
| 12 | Hydrothermal synthesis of YPO4:Eu3+ hexagonal prisms microarchitectures: Tunable morphology, formation mechanism, and recovery luminescence properties. Ceramics International, 2015, 41, 6620-6630. | 4.8 | 23 |
| 13 | Characterization of peanuts after dry roasting, oil roasting, and blister frying. LWT - Food Science and Technology, 2017, 75, 520-528. | 5.2 | 23 |
| 14 | Crystal structure, Raman spectroscopy, metal compatibility and microwave dielectric properties of Ce2Zr3(MoO4)9 ceramics. Materials Chemistry and Physics, 2020, 250, 122954. | 4.0 | 22 |
| 15 | Investigation of crystal characteristics, Raman spectra, and microwave dielectric properties of Mg1-xZnxTa2O6 ceramics. Journal of the European Ceramic Society, 2021, 41, 5526-5530. | 5.7 | 21 |
| 16 | Correlation between structure characteristics and dielectric properties of Li2Mg3-xCuxTiO6 ceramics based on complex chemical bond theory. Ceramics International, 2019, 45, 23509-23514. | 4.8 | 20 |
| 17 | Investigation of grain growth and magnetic properties of low-sintered LiZnTi ferrite-ceramic. Ceramics International, 2020, 46, 14669-14673. | 4.8 | 20 |
| 18 | Luminescence properties of a novel promising red phosphor Na3Gd2â”x(BO3)3:xEu3+. Optics and Laser Technology, 2016, 85, 7-13. | 4.6 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ferrite ceramic filled poly-dimethylsiloxane composite with enhanced magnetic-dielectric properties as substrate material for flexible electronics. Ceramics International, 2021, 47, 18246-18251. | 4.8 | 19 |
| 20 | EDTA-assisted hydrothermal synthesis of KLa(MoO4)2:Eu3+ microcrystals and their luminescence properties. Ceramics International, 2016, 42, 16499-16504. | 4.8 | 17 |
| 21 | Synthesis and luminescence properties of Eu3+-doped KLa(MoO4)2 red-emitting phosphor. Superlattices and Microstructures, 2015, 85, 672-679. | 3.1 | 16 |
| 22 | Structure and microwave dielectric properties of Li2Mg3Ti1-x(Al1/2Nb1/2)xO6 ceramics. Ceramics International, 2020, 46, 13737-13742. | 4.8 | 15 |
| 23 | Mechanism study of the Mnâ€substituted magnesium borate: Decreased sintering temperature and improved dielectric property. Journal of the American Ceramic Society, 2021, 104, 4614-4623. | 3.8 | 15 |
| 24 | Structural dependence of microwave dielectric performance of wolframite structured Mg1-xCaxZrNb2O8 ceramics: Crystal structure, microstructure evolution, Raman analysis and chemical bond theory. Journal of the European Ceramic Society, 2021, 41, 3445-3451. | 5.7 | 14 |
| 25 | Enhanced luminescence properties of BiPO4:Eu3+ phosphors prepared by hydrothermal method. Ceramics International, 2015, 41, 6683-6686. | 4.8 | 13 |
| 26 | The effects of different dry roast parameters on peanut quality using an industrial belt-type roaster simulator. Food Chemistry, 2018, 240, 974-979. | 8.2 | 13 |
| 27 | Development of methylcelluloseâ€based sustainedâ€release dosage by semisolid extrusion additive manufacturing in drug delivery system. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 257-268. | 3.4 | 13 |
| 28 | Strategies to Mitigate Peanut Allergy: Production, Processing, Utilization, and Immunotherapy Considerations. Annual Review of Food Science and Technology, 2014, 5, 155-176. | 9.9 | 10 |
| 29 | Development of a pilot-scale process to sequester aflatoxin and release bioactive peptides from highly contaminated peanut meal. LWT - Food Science and Technology, 2013, 51, 492-499. | 5.2 | 9 |
| 30 | Effect of zirconium deficiency on structure characteristics, morphology and microwave dielectric properties of Li2Mg3Zr1-xO6 ceramics. Ceramics International, 2021, 47, 12567-12573. | 4.8 | 9 |
| 31 | Crystallographic characteristics and microwave dielectric properties of Ni-modified MgTa2O6 ceramics. Ceramics International, 2021, 47, 22514-22521. | 4.8 | 9 |
| 32 | Hydrothermal Synthesis and Luminescence Property of Nanoscaled BiPO<sub>4</sub>:Eu<sup>3+</sup> Powders. Journal of Nanoscience and Nanotechnology, 2016, 16, 3827-3830. | 0.9 | 8 |
| 33 | Temperature stability and chemical compatibility of novel Li1.6Zn1.6Sn2.8O8 ceramics. Materials Chemistry and Physics, 2019, 238, 121960. | 4.0 | 8 |
| 34 | Enhanced magnetic properties of low temperature sintered LiZnTi ferrite ceramic synthesized through adjusting microstructure. Journal of Alloys and Compounds, 2020, 827, 154338. | 5.5 | 8 |
| 35 | Effects of Magnesiumâ€“Tungsten co-substitution on crystal structure and microwave dielectric properties of CaTi1-x(Mg1/2W1/2)xO3 ceramics. Ceramics International, 2021, 47, 3354-3360. | 4.8 | 8 |
| 36 | Structural characteristics and dielectric properties of Ti4+-substituted Li2Mg3SnO6 ceramics. Ceramics International, 2020, 46, 16038-16046. | 4.8 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Synthesis and luminescent properties of KLa1â^'xâ^'y(MoO4)2â^'z(WO4)z:xEu3+, yDy3+ phosphors for WLEDs. Journal of Materials Science: Materials in Electronics, 2016, 27, 9470-9475. | 2.2 | 6 |
| 38 | Kinetics of color development of peanuts during dry roasting using a batch roaster. Journal of Food Process Engineering, 2017, 40, e12498. | 2.9 | 6 |
| 39 | CTAB-assisted hydrothermal synthesis and luminescence properties of BiPO4:Eu3+ phosphors. Journal of Materials Science: Materials in Electronics, 2017, 28, 15154-15160. | 2.2 | 5 |
| 40 | Effects of Lyophilization on the Release Profiles of 3D Printed Delivery Systems Fabricated with Carboxymethyl Cellulose Hydrogel. Polymers, 2021, 13, 749. | 4.5 | 4 |
| 41 | Structure dependence of dielectric characteristics in Li2Mg3Ti1-x(Al0.5Ta0.5)xO6 ceramics. Journal of Materials Research and Technology, 2021, 11, 1378-1386. | 5.8 | 4 |
| 42 | Allergenicity of Peanut Proteins is Retained Following Enzymatic Hydrolysis. Journal of Allergy and Clinical Immunology, 2012, 129, AB367. | 2.9 | 3 |
| 43 | Printability Of Hydrogel Composites Using Extrusion-Based 3D Printing And Post-Processing With Calcium Chloride. Food Science & Nutrition, 2019, 5, 1-5. | 0.1 | 3 |
| 44 | Anion/Cation-Controlled Morphology Evolution of Bi1â^'x PO4:xEu3+ and Enhanced Luminescence Properties. Journal of Electronic Materials, 2016, 45, 709-714. | 2.2 | 2 |
| 45 | Temperature Stable and Low Loss Microwave Dielectric Ceramics of Li2Mg3-xSrxTiO6. IOP Conference Series: Materials Science and Engineering, 2020, 784, 012009. | 0.6 | 1 |
| 46 | Microstructure and magnetic properties of porous NiCuZn ferrite ceramic. , 2019, , . | | 0 |
| 47 | High-quality factor of (1â€‰â^'â€‰x) Li2Mg3TiO6-xBaV2O6 (xâ€‰=â€‰0.1, 0.3, 0.4, 0.5, 0.6) ceramics with low sintering temperature. Journal of Materials Science: Materials in Electronics, 2020, 31, 8489-8495. | 2.2 | 0 |