# Maria GonÃ§alves

List of Publications by Year
in descending order



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|---|---|---|---|
| 42 papers | 943 citations | 516710 16 h-index | 454955 30 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 1248 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Rare-earth-doped transparent glass ceramics. Comptes Rendus Chimie, 2002, 5, 845-854. | 0.5 | 200 |
| 2 | Sol-gel Silica Nanoparticles in Medicine: A Natural Choice. Design, Synthesis and Products. Molecules, 2018, 23, 2021. | 3.8 | 106 |
| 3 | Design of photonic structures by solâ€“gel-derived silica nanospheres. Journal of Non-Crystalline Solids, 2007, 353, 674-678. | 3.1 | 69 |
| 4 | An alternative method to obtain direct opal photonic crystal structures. Journal of Non-Crystalline Solids, 2009, 355, 1167-1170. | 3.1 | 43 |
| 5 | Structure of water in hybrid cellulose acetate-silica ultrafiltration membranes and permeation properties. Carbohydrate Polymers, 2018, 189, 342-351. | 10.2 | 41 |
| 6 | Er3+ ion dispersion in tellurium oxychloride glasses. Optical Materials, 2007, 29, 503-509. | 3.6 | 38 |
| 7 | Solâ€“gel photonic bandgap materials and structures. Journal of Non-Crystalline Solids, 2004, 345-346, 562-569. | 3.1 | 36 |
| 8 | Flexible photonic crystals for strain sensing. Optical Materials, 2011, 33, 408-412. | 3.6 | 36 |
| 9 | Photonic Band Gap and Bactericide Performance of Amorphous Sol-Gel Titania: An Alternative to Crystalline TiO2. Molecules, 2018, 23, 1677. | 3.8 | 35 |
| 10 | 3-D rare earth-doped colloidal photonic crystals. Optical Materials, 2009, 31, 1315-1318. | 3.6 | 31 |
| 11 | Process optimization of solâ€“gel derived colloidal photonic crystals. Journal of Sol-Gel Science and Technology, 2007, 42, 135-143. | 2.4 | 20 |
| 12 | Improving hydraulic permeability, mechanical properties, and chemical functionality of cellulose acetate-based membranes by co-polymerization with tetraethyl orthosilicate and 3-(aminopropyl)triethoxysilane. Carbohydrate Polymers, 2021, 261, 117813. | 10.2 | 19 |
| 13 | Processing optimization and optical properties of 3-D photonic crystals. Journal of Non-Crystalline Solids, 2009, 355, 1189-1192. | 3.1 | 18 |
| 14 | The role of silver nanoparticles on mixed matrix Ag/cellulose acetate asymmetric membranes. Polymer Composites, 2017, 38, 32-39. | 4.6 | 18 |
| 15 | Photoluminescence in Er3+/Yb3+-doped silica-titania inverse opal structures. Journal of Sol-Gel Science and Technology, 2010, 55, 52-58. | 2.4 | 17 |
| 16 | The effects of ZnCl2 and ErCl3 on the vibrational spectra and structure of tellurite glasses. Journal of Non-Crystalline Solids, 2006, 352, 690-694. | 3.1 | 16 |
| 17 | Relaxivities of magnetoliposomes: The effect of cholesterol. Magnetic Resonance Imaging, 2013, 31, 610-612. | 1.8 | 16 |
| 18 | Biomimetic Amorphous Titania Nanoparticles as Ultrasound Responding Agents to Improve Cavitation and ROS Production for Sonodynamic Therapy. Applied Sciences (Switzerland), 2020, 10, 8479. | 2.5 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Coreâ€“shell superparamagnetic nanoparticles with interesting properties as contrast agents for MRI. Materials Chemistry and Physics, 2015, 168, 42-49. | 4.0 | 13 |
| 20 | Daylight Bactericidal Titania Textiles: A Contribution to Nosocomial Infections Control. Molecules, 2019, 24, 1891. | 3.8 | 13 |
| 21 | Novel Cellulose Acetate-Based Monophasic Hybrid Membranes for Improved Blood Purification Devices: Characterization under Dynamic Conditions. Membranes, 2021, 11, 825. | 3.0 | 12 |
| 22 | Solâ€“gel derived photonic bandgap coatings for solar control. Optical Materials, 2011, 33, 1867-1871. | 3.6 | 11 |
| 23 | SPIONs Prepared in Air through Improved Synthesis Methodology: The Influence of Î³-Fe2O3/Fe3O4 Ratio and Coating Composition on Magnetic Properties. Nanomaterials, 2019, 9, 943. | 4.1 | 11 |
| 24 | Crystallization of Solgelâ€Đerived Glasses. International Journal of Applied Glass Science, 2014, 5, 114-125. | 2.0 | 10 |
| 25 | Silica and silica organically modified nanoparticles: Water dynamics in complex systems. Microporous and Mesoporous Materials, 2015, 217, 102-108. | 4.4 | 10 |
| 26 | Synthesis and Characterization of Novel Integral Asymmetric Monophasic Celluloseâ€“Acetate/Silica/Titania and Celluloseâ€“Acetate/Titania Membranes. Membranes, 2020, 10, 195. | 3.0 | 10 |
| 27 | Smart Shockwave Responsive Titania-Based Nanoparticles for Cancer Treatment. Pharmaceutics, 2021, 13, 1423. | 4.5 | 10 |
| 28 | Incorporation of OH species in fluorozirconate glasses: nature and influence on physical properties. Journal of Non-Crystalline Solids, 1996, 194, 180-190. | 3.1 | 9 |
| 29 | Up-conversion in rare earth-doped silica hollow spheres. Optical Materials, 2012, 34, 1440-1446. | 3.6 | 8 |
| 30 | Greensilica Â® vectors for smart textiles. Carbohydrate Polymers, 2017, 156, 268-275. | 10.2 | 8 |
| 31 | Heavily Yb-doped silicate glass thick films. Journal of Sol-Gel Science and Technology, 2017, 81, 105-113. | 2.4 | 7 |
| 32 | Preparation and Chemical Characterization of Eco-friendly ORMOSIL Nanoparticles of Potential Application in DNA Gene Therapy. Current Nanoscience, 2013, 9, 168-172. | 1.2 | 7 |
| 33 | Preparation and Chemical Characterization of Eco-friendly ORMOSIL Nanoparticles of Potential Application in DNA Gene Therapy. Current Nanoscience, 2013, 9, 168-172. | 1.2 | 5 |
| 34 | Physisorption data for methyl-hybrid silica gels. Journal of Sol-Gel Science and Technology, 2015, 75, 508-518. | 2.4 | 5 |
| 35 | Development of New Contrast Agents for Imaging Function and Metabolism by Magnetic Resonance Imaging. Magnetic Resonance Insights, 2017, 10, 1178623X1772213. | 2.5 | 5 |
| 36 | Interaction of Human Serum Albumin with Uremic Toxins: The Need of New Strategies Aiming at Uremic Toxins Removal. Membranes, 2022, 12, 261. | 3.0 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | What Is Driving the Growth of Inorganic Glass in Smart Materials and Opto-Electronic Devices?. Materials, 2021, 14, 2926. | 2.9 | 4 |
| 38 | Physical vapor deposition of rare-earth doped ZrF4-based glass planar waveguides. Journal of Non-Crystalline Solids, 1999, 256-257, 194-199. | 3.1 | 3 |
| 39 | Synthesis of monodispersed ORMOSIL nanoparticles and conjugation with DNA for gene therapy. , 2011, , . | | 1 |
| 40 | Nanostructured Mesoporous Silica Films. , 2003, , 159-168. | | 1 |
| 41 | Nanomaterials. , 2015, , 629-677. | | 0 |
| 42 | Encapsulation of active molecules in pharmaceutical sector: the role of ceramic nanocarriers. , 2020, , 53-83. | | 0 |