

Ana C Marques

List of Publications by Year in descending order

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papers

906
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430874

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57
all docs

57
docs citations

57
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of a microfluidic process to encapsulate isocyanate for autoreactive and ecological adhesives. <i>Polymer Bulletin</i> , 2022, 79, 3951-3970.	3.3	4
2	Biobased Polyurethane Coatings for Corrosion Protection of Carbon Steel. , 2022, 8, .		0
3	Interlaminar shear strength study of Mg and carbon fiber-based hybrid laminates with self-healing microcapsules. <i>Composite Structures</i> , 2021, 255, 113042.	5.8	17
4	Electrical stimulation of neural-differentiating iPSCs on novel coaxial electroconductive nanofibers. <i>Biomaterials Science</i> , 2021, 9, 5359-5382.	5.4	16
5	Injectable hydrogels with two different rates of drug release based on pluronic/water system filled with poly(μ -caprolactone) microcapsules. <i>Journal of Materials Science</i> , 2021, 56, 13416-13428.	3.7	9
6	Macroporosity Control by Phase Separation in Sol-Gel Derived Monoliths and Microspheres. <i>Materials</i> , 2021, 14, 4247.	2.9	5
7	Optical spectroscopy methods for the characterization of solâ€gel materials. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 100, 1-43.	2.4	3
8	PEDOT:PSS-Coated Polybenzimidazole Electroconductive Nanofibers for Biomedical Applications. <i>Polymers</i> , 2021, 13, 2786.	4.5	12
9	Porous Silica Microspheres with Immobilized Titania Nanoparticles for Inâ€Flow Solarâ€Driven Purification of Wastewater. <i>Global Challenges</i> , 2021, 5, 2000116.	3.6	20
10	Non-Formaldehyde, Bio-Based Adhesives for Use in Wood-Based Panel Manufacturing Industryâ€A Review. <i>Polymers</i> , 2021, 13, 4086.	4.5	26
11	The role played by different active hydrogen sources in the microencapsulation of a commercial oligomeric diisocyanate. <i>Journal of Materials Science</i> , 2020, 55, 4607-4623.	3.7	13
12	Autonomous self-healing in epoxy coatings provided by high efficiency isophorone diisocyanate (IPDI) microcapsules for protection of carbon steel. <i>Progress in Organic Coatings</i> , 2020, 139, 105445.	3.9	25
13	Polycaprolactone microcapsules containing citric acid and naringin for plant growth and sustainable agriculture: physico-chemical properties and release behavior. <i>Science of the Total Environment</i> , 2020, 703, 135548.	8.0	29
14	Hybrid shell microcapsules containing isophorone diisocyanate with high thermal and chemical stability for autonomous selfâ€healing of epoxy coatings. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48751.	2.6	16
15	Smart epoxy coating modified with isophorone diisocyanate microcapsules and cerium organophosphate for multilevel corrosion protection of carbon steel. <i>Progress in Organic Coatings</i> , 2020, 147, 105864.	3.9	9
16	Microencapsulation of Isocyanate in Biodegradable Poly(μ -caprolactone) Capsules and Application in Monocomponent Green Adhesives. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4425-4438.	4.4	14
17	Review on Adhesives and Surface Treatments for Structural Applications: Recent Developments on Sustainability and Implementation for Metal and Composite Substrates. <i>Materials</i> , 2020, 13, 5590.	2.9	58
18	Silica-based microspheres with interconnected macroporosity by phase separation. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 746-759.	2.4	9

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19	Development of a Microfluidic Device to Encapsulate Isocyanate for Autoreactive and Ecological Adhesives. IOP Conference Series: Materials Science and Engineering, 2019, 520, 012007.	0.6	3
20	Replacement of petroleum-derived diols by sustainable biopolyols in one component polyurethane foams. Journal of Cleaner Production, 2019, 212, 1036-1043.	9.3	33
21	Hybrid custom-tailored sol-gel derived micro scaffold for biocides immobilization. Microporous and Mesoporous Materials, 2018, 261, 252-258.	4.4	15
22	One-Component Spray Polyurethane Foam from Liquefied Pinewood Polyols: Pursuing Eco-Friendly Materials. Journal of Polymers and the Environment, 2018, 26, 91-100.	5.0	13
23	Isophorone Diisocyanate (IPDI) Microencapsulation for Mono-Component Adhesives: Effect of the Active H and NCO Sources. Polymers, 2018, 10, 825.	4.5	22
24	Characterization of Sol-Gel Materials by Infrared Spectroscopy. , 2018, , 1121-1151.		5
25	Polyurethane one-component foam formulation optimization for low free isocyanate monomer content. Journal of Cellular Plastics, 2017, 53, 167-179.	2.4	4
26	Organically-modified silica based microspheres for self-curing polyurethane one component foams. Microporous and Mesoporous Materials, 2017, 244, 244-250.	4.4	10
27	Amino-silica microcapsules as effective curing agents for polyurethane foams. Journal of Materials Science, 2017, 52, 5380-5389.	3.7	9
28	Amino surface functionalized microcapsules as curing agents for polyurethane foams. Materials and Manufacturing Processes, 2017, 32, 1304-1309.	4.7	1
29	Characterization of Sol-Gel Materials by Infrared Spectroscopy. , 2016, , 1-31.		2
30	Solid Curing Agents for Polyurethane Foams: Proof of Concept of the Release Mechanism. Macromolecular Materials and Engineering, 2015, 300, 674-678.	3.6	3
31	GreenCaps: towards solid curing agents for sustainable polyurethane foams. Sustainable Chemical Processes, 2014, 2, .	2.3	6
32	IZO deposition by RF and DC sputtering on paper and application on flexible electrochromic devices. Displays, 2013, 34, 326-333.	3.7	27
33	Evaluation of 3D nano-macro porous bioactive glass scaffold for hard tissue engineering. Journal of Materials Science: Materials in Medicine, 2011, 22, 1195-1203.	3.6	41
34	Sol-gel-derived glass scaffold with high pore interconnectivity and enhanced bioactivity. Journal of Materials Research, 2009, 24, 3495-3502.	2.6	29
35	Rare earth-doped photonic crystals via sol-gel. Journal of Materials Science: Materials in Electronics, 2009, 20, 307-311.	2.2	11
36	Nano/macroporous monolithic scaffolds prepared by the sol-gel method. Journal of Sol-Gel Science and Technology, 2009, 51, 42-47.	2.4	17

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37	The potential of ion exchange in sol-gel derived photonic materials and structures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 149, 118-122.	3.5	10
38	EXAFS study of the Er ³⁺ ion coordination in SiO ₂ -TiO ₂ -HfO ₂ sol-gel films. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4940-4943.	3.1	5
39	Rare-earth doped photonic crystal microcavities prepared by sol-gel. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 490-493.	3.1	25
40	Er photoluminescence enhancement in Ag-doped sol-gel planar waveguides. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2613-2618.	3.1	33
41	Rare-earth photoluminescence in sol-gel derived confined glass structures. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 475-482.	3.1	18
42	Analysis of sol-gel silica-titania films doped with Ag and Er using artificial neural networks. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 249, 804-807.	1.4	3
43	Raman spectra and structure of multicomponent oxide planar waveguides prepared by sol-gel. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 40, 371-378.	2.4	10
44	Spectroscopic assessment of rare-earth activated planar waveguides and microcavities. <i>Applied Surface Science</i> , 2005, 248, 3-7.	6.1	6
45	Stability of erbium and silver implanted in silica-titania sol-gel films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 240, 415-419.	1.4	4
46	Glassy and nanocrystalline photonic materials and structures by sol-gel. <i>Optical Materials</i> , 2005, 27, 1718-1725.	3.6	19
47	Study of silica-titania films doped with Er and Ag by RBS and ERDA. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004, 219-220, 923-927.	1.4	5
48	Compositional Profiles in Silica-Based Sol-Gel Films Doped with Erbium and Silver, by RBS and ERDA. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 31, 287-291.	2.4	7
49	Photoluminescence of Erbium-Doped Silicate Sol-Gel Planar Waveguides. <i>Journal of Sol-Gel Science and Technology</i> , 2004, 31, 317-322.	2.4	15
50	Spectroscopic assessment of silica-titania and silica-hafnia planar waveguides. <i>Philosophical Magazine</i> , 2004, 84, 1659-1666.	1.6	26
51	Optical Nanocomposite Planar Waveguides Doped with Rare-Earth and Noble Metal Elements. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 891-896.	2.4	26
52	Reversible photoluminescence quenching in Er ³⁺ -doped silica-titania planar waveguides prepared by sol-gel. <i>Journal of Non-Crystalline Solids</i> , 2003, 322, 272-277.	3.1	28
53	Erbium/Ytterbium-activated silica-titania planar and channel waveguides prepared by rf-sputtering. , 2003, , .		2
54	Planar waveguides for integrated optics prepared by sol-gel methods. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002, 82, 707-719.	0.6	6

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55	Planar waveguides for integrated optics prepared by sol-gel methods. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 707-719.	0.6	12
56	Vibrational spectra and structure of alkali germanate glasses. Journal of Non-Crystalline Solids, 2001, 293-295, 394-401.	3.1	110
57	Evaluation of the Potential of Metakaolin, Electric Arc Furnace Slag, and Biomass Fly Ash for Geopolymer Cement Compositions. , 0, , .		0