

# Francisco del Monte

## List of Publications by Citations

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172  
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10,389  
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#	Paper	IF	Citations
157	Three dimensional macroporous architectures and aerogels built of carbon nanotubes and/or graphene: synthesis and applications. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 794-830	58.5	957
156	Sustainable carbon materials. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 250-90	58.5	826
155	Deep-eutectic solvents playing multiple roles in the synthesis of polymers and related materials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4996-5014	58.5	501
154	Multiwall carbon nanotube scaffolds for tissue engineering purposes. <i>Biomaterials</i> , <b>2008</b> , 29, 94-102	15.6	360
153	Ice-Templated Materials: Sophisticated Structures Exhibiting Enhanced Functionalities Obtained after Unidirectional Freezing and Ice-Segregation-Induced Self-Assembly <i>Chemistry of Materials</i> , <b>2008</b> , 20, 634-648	9.6	355
152	Freeze-drying of aqueous solutions of deep eutectic solvents: a suitable approach to deep eutectic suspensions of self-assembled structures. <i>Langmuir</i> , <b>2009</b> , 25, 5509-15	4	273
151	Deep eutectic solvents in polymerizations: a greener alternative to conventional syntheses. <i>ChemSusChem</i> , <b>2014</b> , 7, 999-1009	8.3	167
150	Deep eutectic solvents as both precursors and structure directing agents in the synthesis of nitrogen doped hierarchical carbons highly suitable for CO <sub>2</sub> capture. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 3535	35.4	165
149	Poly(vinyl alcohol) Scaffolds with Tailored Morphologies for Drug Delivery and Controlled Release. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3505-3513	15.6	165
148	Formation of Fe <sub>2</sub> O <sub>3</sub> Isolated Nanoparticles in a Silica Matrix. <i>Langmuir</i> , <b>1997</b> , 13, 3627-3634	4	161
147	Formation of TiO <sub>2</sub> Nanoparticles in Reverse Micelles and Their Deposition as Thin Films on Glass Substrates. <i>Langmuir</i> , <b>1997</b> , 13, 4295-4300	4	157
146	Bacteria incorporation in deep-eutectic solvents through freeze-drying. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2158-62	16.4	138
145	Stabilization of Tetragonal ZrO <sub>2</sub> in ZrO <sub>2</sub> /BiO <sub>2</sub> Binary Oxides. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 628-634	3.8	135
144	A Novel and Simple Alcohol-Free Sol-Gel Route for Encapsulation of Labile Proteins. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3619-3621	9.6	134
143	Resorcinol-Based Deep Eutectic Solvents as Both Carbonaceous Precursors and Templating Agents in the Synthesis of Hierarchical Porous Carbon Monoliths. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 6146-6152	9.6	125
142	A photorefractive organically modified silica glass with high optical gain. <i>Nature</i> , <b>2000</b> , 408, 64-7	50.4	124
141	Free-radical polymerizations of and in deep eutectic solvents: Green synthesis of functional materials. <i>Progress in Polymer Science</i> , <b>2018</b> , 78, 139-153	29.6	123

- 140 Rhodamine Fluorescent Dimers Adsorbed on the Porous Surface of Silica Gels. *Langmuir*, **2000**, 16, 7377-7382 123
- 139 Macroporous 3D Architectures of Self-Assembled MWCNT Surface Decorated with Pt Nanoparticles as Anodes for a Direct Methanol Fuel Cell. *Journal of Physical Chemistry C*, **2007**, 111, 5557-5560 3.8 121
- 138 Phosphorus-doped carbon-carbon nanotube hierarchical monoliths as true three-dimensional electrodes in supercapacitor cells. *Journal of Materials Chemistry A*, **2016**, 4, 1251-1263 13 119
- 137 Resorcinol-Formaldehyde Polycondensation in Deep Eutectic Solvents for the Preparation of Carbons and Carbon-Carbon Nanotube Composites. *Chemistry of Materials*, **2010**, 22, 2711-2719 9.6 117
- 136 Formation of Fluorescent Rhodamine B J-Dimers in Sol-Gel Glasses Induced by the Adsorption Geometry on the Silica Surface. *Journal of Physical Chemistry B*, **1998**, 102, 8036-8041 3.4 112
- 135 Block-Copolymer assisted synthesis of hierarchical carbon monoliths suitable as supercapacitor electrodes. *Journal of Materials Chemistry*, **2010**, 20, 773-780 107
- 134 Three-dimensional microchanneled electrodes in flow-through configuration for bioanode formation and current generation. *Energy and Environmental Science*, **2011**, 4, 4201 35.4 99
- 133 A Biocompatible Bottom-Up Route for the Preparation of Hierarchical Biohybrid Materials. *Advanced Materials*, **2006**, 18, 1137-1140 24 93
- 132 Frontal polymerizations carried out in Deep-Eutectic mixtures providing both the monomers and the polymerization medium. *Chemical Communications*, **2011**, 47, 5328-30 5.8 92
- 131 3D free-standing porous scaffolds made of graphene oxide as substrates for neural cell growth. *Journal of Materials Chemistry B*, **2014**, 2, 5698-5706 7.3 91
- 130 Biocompatible Sol-Gel Route for Encapsulation of Living Bacteria in Organically Modified Silica Matrixes. *Chemistry of Materials*, **2003**, 15, 3614-3618 9.6 89
- 129 Phosphate-functionalized carbon monoliths from deep eutectic solvents and their use as monolithic electrodes in supercapacitors. *ChemSusChem*, **2012**, 5, 1405-9 8.3 81
- 128 Thermal unfolding and refolding of lysozyme in deep eutectic solvents and their aqueous dilutions. *Physical Chemistry Chemical Physics*, **2013**, 15, 11248-56 3.6 81
- 127 Synthesis of novel lidocaine-releasing poly(diols-co-citrate) elastomers by using deep eutectic solvents. *Chemical Communications*, **2012**, 48, 579-81 5.8 80
- 126 PPO15-PEO22-PPO15 block copolymer assisted synthesis of monolithic macro- and microporous carbon aerogels exhibiting high conductivity and remarkable capacitance. *Journal of Materials Chemistry*, **2009**, 19, 1236 76
- 125 Synthesis of macroporous poly(acrylic acid)-carbon nanotube composites by frontal polymerization in deep-eutectic solvents. *Journal of Materials Chemistry A*, **2013**, 1, 3970 13 75
- 124 Highly Transparent Fe<sub>2</sub>O<sub>3</sub>/Vycor-Glass Magnetic Nanocomposites Exhibiting Faraday Rotation. *Advanced Materials*, **2003**, 15, 1809-1812 24 75
- 123 Deep-eutectic-solvent-assisted synthesis of hierarchical carbon electrodes exhibiting capacitance retention at high current densities. *Chemistry - A European Journal*, **2011**, 17, 10533-7 4.8 73

122	Chemical Interactions Promoting the ZrO <sub>2</sub> Tetragonal Stabilization in ZrO <sub>2</sub> /BiO <sub>2</sub> Binary Oxides. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 1506-1512	3.8	73
121	Role of polymers in the design of 3D carbon nanotube-based scaffolds for biomedical applications. <i>Progress in Polymer Science</i> , <b>2014</b> , 39, 1448-1471	29.6	69
120	Deep eutectic solvents as both active fillers and monomers for frontal polymerization. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 1767-1773	2.5	68
119	Biocompatible MWCNT scaffolds for immobilization and proliferation of E. coli. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 2992-2995		68
118	Deep eutectic assisted synthesis of carbon adsorbents highly suitable for low-pressure separation of CO <sub>2</sub> /H <sub>4</sub> gas mixtures. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 8699	35.4	67
117	Microwave-assisted synthesis of NiCo <sub>2</sub> O <sub>4</sub> /graphene oxide nanocomposites suitable as electrodes for supercapacitors. <i>RSC Advances</i> , <b>2013</b> , 3, 13690	3.7	63
116	A Volume Holographic Sol-Gel Material with Large Enhancement of Dynamic Range by Incorporation of High Refractive Index Species. <i>Advanced Materials</i> , <b>2006</b> , 18, 2014-2017	24	61
115	Synthesis, Thermal Evolution, and Luminescence Properties of Yttrium Disilicate Host Matrix. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1774-1782	9.6	61
114	Bacteria Viability in Sol-Gel Materials Revisited: Cryo-SEM as a Suitable Tool To Study the Structural Integrity of Encapsulated Bacteria. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1458-1463	9.6	61
113	DES assisted synthesis of hierarchical nitrogen-doped carbon molecular sieves for selective CO <sub>2</sub> versus N <sub>2</sub> adsorption. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 8719-8729	13	59
112	Deep eutectic solvent-assisted synthesis of biodegradable polyesters with antibacterial properties. <i>Langmuir</i> , <b>2013</b> , 29, 9525-34	4	59
111	Chitosan gelation induced by the in situ formation of gold nanoparticles and its processing into macroporous scaffolds. <i>Biomacromolecules</i> , <b>2011</b> , 12, 179-86	6.9	56
110	Freezing of Binary Colloidal Systems for the Formation of Hierarchy Assemblies. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 554-559	9.6	55
109	Hydrogel Scaffolds with Immobilized Bacteria for 3D Cultures. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 1968-1973	3.6	51
108	Looking at the Water-in-Deep-Eutectic-Solvent System: A Dilution Range for High Performance Eutectics. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17565-17573	8.3	49
107	Faraday rotation in magnetic Fe <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> nanocomposites. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 2698-2700	3.4	49
106	Urea-Melt Assisted Synthesis of Ni/NiO Nanoparticles Exhibiting Structural Disorder and Exchange Bias. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 6529-6541	9.6	47
105	Identification of Oblique and Coplanar Inclined Fluorescent J-Dimers in Rhodamine 110 Doped Sol-Gel-Glasses. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 8080-8086	3.4	47

104	Chondroitin sulphate-based 3D scaffolds containing MWCNTs for nervous tissue repair. <i>Biomaterials</i> , <b>2014</b> , 35, 1543-51	15.6	45
103	Preparation of chitosan nanocomposites with a macroporous structure by unidirectional freezing and subsequent freeze-drying. <i>Marine Drugs</i> , <b>2014</b> , 12, 5619-42	6	45
102	Preparation and Optical Characterization of Thick-Film Zirconia and Titania Ormosils. <i>Journal of Sol-Gel Science and Technology</i> , <b>1999</b> , 15, 73-85	2.3	44
101	Reline aqueous solutions behaving as liquid mixtures of H-bonded co-solvents: microphase segregation and formation of co-continuous structures as indicated by Brillouin and H NMR spectroscopies. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 17103-17110	3.6	43
100	Enzymatic Synthesis of Amorphous Calcium Phosphate-Chitosan Nanocomposites and Their Processing into Hierarchical Structures. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 11-13	9.6	43
99	Osteoconductive Performance of Carbon Nanotube Scaffolds Homogeneously Mineralized by Flow-Through Electrodeposition. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4411-4420	15.6	42
98	Optical gain by a simple photoisomerization process. <i>Nature Materials</i> , <b>2008</b> , 7, 490-7	27	42
97	Photopolymerization of hydroxyethylmethacrylate in the formation of organic-organic hybrid sol-gel matrices. <i>Journal of Polymer Science Part A</i> , <b>1996</b> , 34, 3289-3296	2.5	42
96	Synthesis of Biodegradable Macroporous Poly(l-lactide)/Poly(ε-caprolactone) Blend Using Oil-in-Eutectic-Mixture High-Internal-Phase Emulsions as Template. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16939-49	9.5	41
95	Enhanced emission of Nile red fluorescent nanoparticles embedded in hybrid sol-gel glasses. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 80-6	3.4	40
94	Subacute Tissue Response to 3D Graphene Oxide Scaffolds Implanted in the Injured Rat Spinal Cord. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1861-8	10.1	39
93	Porous monoliths synthesized via polymerization of styrene and divinyl benzene in nonaqueous deep-eutectic solvent-based HIPEs. <i>RSC Advances</i> , <b>2015</b> , 5, 23255-23260	3.7	37
92	Highly Efficient p-Toluenesulfonic Acid-Based Deep-Eutectic Solvents for Cathode Recycling of Li-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5437-5445	8.3	37
91	Highly fluorescent rhodamine B nanoparticles entrapped in hybrid glasses. <i>Langmuir</i> , <b>2007</b> , 23, 2175-9	4	37
90	Preferred Formation of Coplanar Inclined Fluorescent J-Dimers in Rhodamine 101 Doped Silica Gels. <i>Langmuir</i> , <b>2001</b> , 17, 4812-4817	4	37
89	Near-Infrared Dyes Encapsulated in Sol-Gel Matrixes. <i>Chemistry of Materials</i> , <b>1995</b> , 7, 292-298	9.6	36
88	Efficient nitrogen-doping and structural control of hierarchical carbons using unconventional precursors in the form of deep eutectic solvents. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17387-17399 <sup>13</sup>		35
87	Self-assembled titania-silica-epiolite based nanocomposites for water decontamination. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2070		35

86	Urea assisted hydroxyapatite mineralization on MWCNT/CHI scaffolds. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 5933		34
85	Probing the chemical environment at the porous cage of ormosils through the fluorescence of oxazine 1. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 1745-1751		34
84	In situ precipitation of amorphous calcium phosphate and ciprofloxacin crystals during the formation of chitosan hydrogels and its application for drug delivery purposes. <i>Langmuir</i> , <b>2012</b> , 28, 15937-46		33
83	Integration of TiO <sub>2</sub> into the diatom <i>Thalassiosira weissflogii</i> during frustule synthesis. <i>Scientific Reports</i> , <b>2013</b> , 3, 3205	4.9	33
82	Rhodamine 19 Fluorescent Dimers Resulting from Dye Aggregation on the Porous Surface of Sol-Gel Silica Glasses. <i>Langmuir</i> , <b>2003</b> , 19, 2782-2786	4	33
81	Nitrogen-doped carbons prepared from eutectic mixtures as metal-free oxygen reduction catalysts. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 478-488	13	32
80	Tailoring the textural properties of hierarchical porous carbons using deep eutectic solvents. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9146-9159	13	32
79	Mammalian cell cryopreservation by using liquid marbles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 3854-60	9.5	31
78	Holographic diffraction gratings recording in organically modified silica gels. <i>Optics Letters</i> , <b>1996</b> , 21, 1857-9	3	29
77	Chitosan scaffolds containing calcium phosphate salts and rhBMP-2: in vitro and in vivo testing for bone tissue regeneration. <i>PLoS ONE</i> , <b>2014</b> , 9, e87149	3.7	28
76	Functionalization of the living diatom <i>Thalassiosira weissflogii</i> with thiol moieties. <i>Nature Communications</i> , <b>2013</b> , 4, 2683	17.4	27
75	Modulating the cytocompatibility of tridimensional carbon nanotube-based scaffolds. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3064-3072	7.3	27
74	Predicting the suitability of aqueous solutions of deep eutectic solvents for preparation of co-continuous porous carbons via spinodal decomposition processes. <i>Carbon</i> , <b>2017</b> , 123, 536-547	10.4	27
73	Phase behavior of elastin-like synthetic recombinamers in deep eutectic solvents. <i>Biomacromolecules</i> , <b>2012</b> , 13, 2029-36	6.9	26
72	Shrinkage control in a photopolymerizable hybrid solgel material for holographic recording. <i>Applied Optics</i> , <b>2004</b> , 43, 4018-24	1.7	26
71	Nanophase separation in aqueous dilutions of a ternary DES as revealed by Brillouin and NMR spectroscopy. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 276, 196-203	6	26
70	Experimental detection of the optical Pendellung effect. <i>Physical Review Letters</i> , <b>2006</b> , 97, 084801	7.4	25
69	Diffusion study in tailored gratings recorded in photopolymer glass with high refractive index species. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 141115	3.4	24

68	Hydrothermal Synthesis: A Suitable Route to Elaborate Nanomanganites. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1898-1905	9.6	23
67	Microviscosities at the Porous Cage of Silica Gel Glasses and Ormosils through Fluorescence Anisotropy. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 11076-11080	3.4	23
66	Brillouin and NMR spectroscopic studies of aqueous dilutions of malicinic acid: Determining the dilution range for transition from a water-in-DES system to a DES-in-water one. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 284, 175-181	6	22
65	Near-to-eutectic mixtures as bifunctional catalysts in the low-temperature ring-opening polymerization of $\epsilon$ -caprolactone. <i>Green Chemistry</i> , <b>2015</b> , 17, 3632-3643	10	22
64	Denaturation and Leaching Study of Horseradish Peroxidase Encapsulated in Sol-Gel Matrices. <i>Journal of Sol-Gel Science and Technology</i> , <b>2003</b> , 26, 1169-1172	2.3	22
63	Optically tunable fiber optic delay generator utilizing photochromic doped sol-gel glass delay line. <i>Journal of Applied Physics</i> , <b>1995</b> , 77, 2804-2805	2.5	22
62	Favorable Biological Responses of Neural Cells and Tissue Interacting with Graphene Oxide Microfibers. <i>ACS Omega</i> , <b>2017</b> , 2, 8253-8263	3.9	21
61	Photochromic doped sol-gel materials for fiber-optic devices. <i>Journal of Sol-Gel Science and Technology</i> , <b>1997</b> , 8, 931-935	2.3	21
60	Use of eutectic mixtures for preparation of monolithic carbons with CO <sub>2</sub> adsorption and gas-separation capabilities. <i>Langmuir</i> , <b>2014</b> , 30, 12220-8	4	19
59	Deep-Eutectic-Assisted Synthesis of Bimodal Porous Carbon Monoliths with High Electrical Conductivities. <i>Particle and Particle Systems Characterization</i> , <b>2013</b> , 30, 316-320	3.1	19
58	Enzyme-induced graft polymerization for preparation of hydrogels: synergetic effect of laccase-immobilized-cryogels for pollutants adsorption. <i>Soft Matter</i> , <b>2010</b> , 6, 3533	3.6	19
57	Ordered arrangement of gold nanoparticles on an $\beta$ -cyclodextrin dodecanethiol inclusion compound produced by magnetron sputtering. <i>New Journal of Chemistry</i> , <b>2007</b> , 31, 1400	3.6	18
56	Effect of doping in carbon nanotubes on the viability of biomimetic chitosan-carbon nanotubes-hydroxyapatite scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 3341-514	5.4	16
55	Study of the Adsorption Process of Sulforhodamine B on the Internal Surface of Porous Sol-Gel Silica Glasses through Fluorescence Means. <i>Langmuir</i> , <b>2003</b> , 19, 650-653	4	16
54	Highly Efficient and Recyclable Carbon-Nanofiber-Based Aerogels for Ionic Liquid-Water Separation and Ionic Liquid Dehydration in Flow-Through Conditions. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903418	24	15
53	Sulfur-doped carbons prepared from eutectic mixtures containing hydroxymethylthiophene as metal-free oxygen reduction catalysts. <i>ChemSusChem</i> , <b>2014</b> , 7, 3347-55	8.3	15
52	Nanocrystallite Titanium Dioxide Films Made by the Sol-Gel Method Using Reverse Micelles. <i>Journal of Sol-Gel Science and Technology</i> , <b>1997</b> , 10, 83-89	2.3	15
51	Controlled formation of the anhydrous polymorph of ciprofloxacin crystals embedded within chitosan scaffolds: study of the kinetic release dependence on crystal size. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1576		14

50	Water adsorption in porous TiO <sub>2</sub> /BiO <sub>2</sub> sol-gel films analyzed by spectroscopic ellipsometry. <i>Thin Solid Films</i> , <b>2004</b> , 455-456, 356-360	2.2	14
49	Ellipsometric analysis of gamma radiation effects on standard optical coatings used in aerospace applications. <i>Thin Solid Films</i> , <b>2004</b> , 455-456, 545-550	2.2	13
48	Nanocomposite of semiconducting ferroelectric antimony sulphoiodide dots-doped glasses. <i>Ferroelectrics</i> , <b>1999</b> , 230, 11-20	0.6	13
47	Carbon and carbon composites obtained using deep eutectic solvents and aqueous dilutions thereof. <i>Chemical Communications</i> , <b>2020</b> , 56, 3592-3604	5.8	12
46	Hydrogen-bond supramolecular hydrogels as efficient precursors in the preparation of freestanding 3D carbonaceous architectures containing BCNO nanocrystals and exhibiting a high CO <sub>2</sub> /CH <sub>4</sub> adsorption ratio. <i>Carbon</i> , <b>2018</b> , 134, 470-479	10.4	12
45	Study of Superbase-Based Deep Eutectic Solvents as the Catalyst in the Chemical Fixation of CO <sub>2</sub> into Cyclic Carbonates under Mild Conditions. <i>Materials</i> , <b>2017</b> , 10,	3.5	12
44	Preparation and Characterization of PbS Quantum Dots Doped Ormocers. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 17, 37-45	2.3	12
43	Brillouin Spectroscopy as a Suitable Technique for the Determination of the Eutectic Composition in Mixtures of Choline Chloride and Water. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 4002-4009	3.4	12
42	Further Extending the Dilution Range of the Solvent-in-DES Regime upon the Replacement of Water by an Organic Solvent with Hydrogen Bond Capabilities. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12120-12131	8.3	11
41	EMIMBF <sub>4</sub> in ternary liquid mixtures of water, dimethyl sulfoxide and acetonitrile as Br-solvent-in-salt electrolytes for high-performance supercapacitors operating at -70 °C. <i>Energy Storage Materials</i> , <b>2021</b> , 40, 368-385	19.4	10
40	Color displays with gel-glass dispersed liquid crystals. <i>Journal of Sol-Gel Science and Technology</i> , <b>1997</b> , 8, 1063-1066	2.3	9
39	A Novel Photoconductive PVK/SiO <sub>2</sub> Interpenetrated Network Prepared by the Sol-Gel Process. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 110-112	3.4	9
38	Macroporous Calcium Phosphate/Chitosan Composites Prepared via Unidirectional Ice Segregation and Subsequent Freeze-Drying. <i>Materials</i> , <b>2017</b> , 10,	3.5	8
37	Urease Functionalized Silica: A Biohybrid Substrate To Drive Self-Mineralization. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 7368-7370	9.6	8
36	Deep eutectic solvents as active media for the preparation of highly conducting 3D free-standing PANI xerogels and their derived N-doped and N-, P-codoped porous carbons. <i>Carbon</i> , <b>2019</b> , 146, 813-826	10.4	8
35	Carbon-GO Composites with Preferential Water versus Ethanol Uptake. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24493-24503	9.5	7
34	New cleavage photoinitiators for radical polymerization: synthesis and photochemical study of dibromo derivatives of dibenzoylmethane. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1993</b> , 73, 197-204	4.7	7
33	Dye-matrix interactions in sol-gel-derived hybrid organic-inorganic nanocomposites <b>1997</b> ,		6



32	Luminescent Properties of Sodium Salicylate Films Prepared by the Sol-Gel Method. <i>Langmuir</i> , <b>2002</b> , 18, 984-986	4	6
31	Spectroscopy and optical properties of HITC-doped silica sol-gel glasses. <i>Optical Materials</i> , <b>1999</b> , 13, 17-25	3.3	6
30	Photopolymerizable glasses incorporating high refractive index species and ionic liquid: A comparative study. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 053106	2.5	5
29	Proton Affinity at the Porous Surface of SiO <sub>2</sub> -TiO <sub>2</sub> Binary Oxides. <i>Journal of Sol-Gel Science and Technology</i> , <b>2003</b> , 26, 869-872	2.3	5
28	Tools for extending the dilution range of the Solvent-in-DES regime. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 329, 115573	6	5
27	Vortex ring processes allowing shape control and entrapment of antibacterial agents in GO-based particles. <i>Carbon</i> , <b>2019</b> , 147, 408-418	10.4	4
26	Synthesis of polymer-silica hybrid microparticles with defined geometry using surface initiated atom transfer radical polymerization. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 3014-3017	4.9	4
25	Mechanisms for High-Performance and Non-Local Photoisomerization Gratings in a Sol-Gel Material. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3770-3781	15.6	4
24	Sol-gel approach for the preparation of holographic and photorefractive materials <b>2002</b> , 4802, 51		4
23	Aqueous Co-Solvent in Zwitterionic-based Protic Ionic Liquids as Electrolytes in 2.0 V Supercapacitors. <i>ChemSusChem</i> , <b>2020</b> , 13, 5983-5995	8.3	4
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