

Sandra H Pulcinelli

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7555948/sandra-h-pulcinelli-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

231
papers

4,580
citations

36
h-index

53
g-index

237
ext. papers

5,010
ext. citations

4.1
avg, IF

5.43
L-index

#	Paper	IF	Citations
231	Catalysis and Temperature Dependence on the Formation of ZnO Nanoparticles and of Zinc Acetate Derivatives Prepared by the Sol-Gel Route. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 568-574	3.4	158
230	Corrosion protection of stainless steel by polysiloxane hybrid coatings prepared using the sol-gel process. <i>Surface and Coatings Technology</i> , 2010 , 204, 2689-2701	4.4	117
229	Preparation of ZnO Nanoparticles: Structural Study of the Molecular Precursor. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 547-551	2.3	116
228	A comparative study of glycerol dehydration catalyzed by micro/mesoporous MFI zeolites. <i>Journal of Catalysis</i> , 2013 , 300, 102-112	7.3	115
227	Transparent and conductive ZnO:Al thin films prepared by sol-gel dip-coating. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1009-1013	6	114
226	Small-Angle X-ray Scattering Study of Sol-Gel-Derived Siloxane-PEG and Siloxane-PG Hybrid Materials. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 4937-4942	3.4	106
225	Study of Hybrid Silica-Polyethyleneglycol Xerogels by Eu ³⁺ Luminescence Spectroscopy. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 427-432	2.3	93
224	Multivariate curve resolution analysis applied to time-resolved synchrotron X-ray Absorption Spectroscopy monitoring of the activation of copper alumina catalyst. <i>Catalysis Today</i> , 2014 , 229, 114-122	5.3	88
223	Formation of SnO ₂ gels from dispersed sols in aqueous colloidal solutions. <i>Journal of Non-Crystalline Solids</i> , 1990 , 121, 76-83	3.9	80
222	Microstructure and corrosion resistance of inorganic-organic (ZrO ₂ -PMMA) hybrid coating on stainless steel. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 164-170	3.9	76
221	In Situ and Simultaneous UV-Vis/SAXS and UV-Vis/XAFS Time-Resolved Monitoring of ZnO Quantum Dots Formation and Growth. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4404-4412	3.8	62
220	Structural electrical and optical properties of undoped and indium doped ZnO thin films prepared by the pyrosol process at different temperatures. <i>Thin Solid Films</i> , 2002 , 416, 284-293	2.2	59
219	Effect of cerium on structure modifications of a hybrid sol-gel coating, its mechanical properties and anti-corrosion behavior. <i>Materials Research Bulletin</i> , 2012 , 47, 3170-3176	5.1	54
218	Carbon nanotube-reinforced siloxane-PMMA hybrid coatings with high corrosion resistance. <i>Progress in Organic Coatings</i> , 2013 , 76, 601-608	4.8	53
217	One-step glycerol oxidehydration to acrylic acid on multifunctional zeolite catalysts. <i>Applied Catalysis A: General</i> , 2015 , 492, 243-251	5.1	52
216	Optical characteristics of Er ³⁺ -Yb ³⁺ doped SnO ₂ xerogels. <i>Journal of Alloys and Compounds</i> , 2002 , 344, 217-220	5.7	51
215	Controlled Drug Release from Ureasil-Polyether Hybrid Materials. <i>Chemistry of Materials</i> , 2009 , 21, 463-467	4.67	50

214	SAXS study of the kinetics of formation of ZnO colloidal suspensions. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 176-182	3.9	49
213	On the structure of high performance anticorrosive PMMA-siloxane-silica hybrid coatings. <i>RSC Advances</i> , 2015 , 5, 106754-106763	3.7	48
212	Highly corrosion resistant siloxane-polymethyl methacrylate hybrid coatings. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 63, 266-274	2.3	48
211	Improvement of the corrosion resistance of polysiloxane hybrid coatings by cerium doping. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2606-2612	3.9	47
210	A Comparative Study on Graphene Oxide and Carbon Nanotube Reinforcement of PMMA-Siloxane-Silica Anticorrosive Coatings. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16339-50	9.5	45
209	Montmorillonite (MMT) effect on the structure of poly(oxyethylene) (PEO)-MMT nanocomposites and silica-PEO-MMT hybrid materials. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 3705-3710	3.9	45
208	Sol-gel synthesis of titania-alumina catalyst supports. <i>Applied Catalysis A: General</i> , 2002 , 235, 71-78	5.1	45
207	Influence of particle size on the photoactivity of Ti/TiO ₂ thin film electrodes, and enhanced photoelectrocatalytic degradation of indigo carmine dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 217, 259-266	4.7	42
206	Glycerol dehydration catalyzed by MWW zeolites and the changes in the catalyst deactivation caused by porosity modification. <i>Applied Catalysis A: General</i> , 2015 , 495, 84-91	5.1	40
205	Effects of crystal size, acidity, and synthesis procedure on the catalytic performance of gallium and aluminum MFI zeolites in glycerol dehydration. <i>Journal of Molecular Catalysis A</i> , 2016 , 422, 148-157		40
204	XAS/WAXS Time-Resolved Phase Speciation of Chlorine LDH Thermal Transformation: Emerging Roles of Isovalent Metal Substitution. <i>Chemistry of Materials</i> , 2013 , 25, 2855-2867	9.6	40
203	Siloxane-PMMA hybrid anti-corrosion coatings reinforced by lignin. <i>Surface and Coatings Technology</i> , 2015 , 275, 9-16	4.4	39
202	Multi-scale structural description of siloxane-PPO hybrid ionic conductors doped by sodium salts. <i>Journal of Materials Chemistry</i> , 2007 , 17, 744-757		39
201	SAXS Study of Formation and Growth of Tin Oxide Nanoparticles in the Presence of Complexing Ligands. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 2855-2860	3.4	39
200	Effect of the balance between Co(II) and Co(0) oxidation states on the catalytic activity of cobalt catalysts for Ethanol Steam Reforming. <i>Catalysis Today</i> , 2014 , 229, 88-94	5.3	38
199	EXAFS and XRD analyses of the structural evolutions involved during drying of SnO ₂ hydrogels. <i>Journal of Non-Crystalline Solids</i> , 1995 , 191, 17-28	3.9	38
198	Effective corrosion protection by eco-friendly self-healing PMMA-cerium oxide coatings. <i>Chemical Engineering Journal</i> , 2020 , 383, 123219	14.7	38
197	Electro-optical properties of Er-doped SnO ₂ thin films. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1857-1860	6	36

- 196 Tin oxide nanoparticle formation using a surface modifying agent. *Journal of the European Ceramic Society*, **2004**, 24, 3713-3721 6 36
- 195 Structural properties of cerium doped siloxane-PMMA hybrid coatings with high anticorrosive performance. *RSC Advances*, **2015**, 5, 15414-15424 3-7 34
- 194 Solid-State and Solution Structural Study of Acetylacetonate-Modified Tin(IV) Chloride Used as a Precursor of SnO₂ Nanoparticles Prepared by a Sol-Gel Route. *Chemistry of Materials*, **2004**, 16, 3885-3894 9-6 34
- 193 Structure and properties of epoxy-siloxane-silica nanocomposite coatings for corrosion protection. *Journal of Colloid and Interface Science*, **2018**, 513, 617-628 9-3 34
- 192 Sintering and Crystallite Growth of Nanocrystalline Copper Doped Tin Oxide. *Journal of Physical Chemistry B*, **1999**, 103, 2660-2667 3-4 33
- 191 Sb doping effects and oxygen adsorption in SnO₂ thin films deposited via sol-gel. *Materials Research*, **2003**, 6, 451-456 1-5 32
- 190 Mechanisms of SnO₂ Nanoparticles Formation and Growth in Acid Ethanol Solution Derived from SAXS and Combined Raman-RAS Time-Resolved Studies. *Chemistry of Materials*, **2014**, 26, 6777-6785 9-6 31
- 189 Controlled cisplatin delivery from Ureasil-PEO1900 hybrid matrix. *Journal of Physical Chemistry B*, **2010**, 114, 3461-6 3-4 31
- 188 Preparation of hierarchically structured porous aluminas by a dual soft template method. *Microporous and Mesoporous Materials*, **2010**, 132, 268-275 5-3 31
- 187 Structural and Phenomenological Characterization of the Thermoreversible Sol-Gel Transition of a Zirconyl Aqueous Precursor Modified by Sulfuric Acid. *Chemistry of Materials*, **1998**, 10, 986-993 9-6 31
- 186 Silica-PEG hybrid ormolytes: structure and properties. *Journal of Non-Crystalline Solids*, **1999**, 247, 108-113 3-3 31
- 185 Dynamical Study of ZnO Nanocrystal and Zn-HDS Layered Basic Zinc Acetate Formation from Sol-Gel Route. *Journal of Physical Chemistry C*, **2007**, 111, 3253-3258 3-8 30
- 184 Porosity evolution in SnO₂ xerogels during sintering under isothermal conditions. *Physical Review B*, **1995**, 51, 8801-8809 3-3 30
- 183 Correlation between Structural and Catalytic Properties of Copper Supported on Porous Alumina for the Ethanol Dehydrogenation Reaction. *ChemCatChem*, **2015**, 7, 1668-1677 5-2 29
- 182 Electron scattering and effects of sources of light on photoconductivity of SnO₂ coatings prepared by sol-gel. *Journal of Non-Crystalline Solids*, **1999**, 247, 171-175 3-9 29
- 181 Role of the Surface State and Structural Feature in the Thermoreversible Sol-Gel Transition of a Zirconyl Aqueous Precursor Modified by Sulfuric Acid. *Chemistry of Materials*, **2004**, 16, 3995-4004 9-6 28
- 180 Spectroscopic studies and crystal structure of bis(N-2-pyridinylcarbonyl-2-pyridinecarboximidato)manganese(II) monohydrate: Zero-field splitting param. *Polyhedron*, **1990**, 9, 2699-2704 2-7 28
- 179 Polymer-layer nanocomposites thermal stability: experimental evidence of the radical trapping effect. *RSC Advances*, **2013**, 3, 22830 3-7 26

178	Efficiency of ethanol conversion induced by controlled modification of pore structure and acidic properties of alumina catalysts. <i>Applied Catalysis A: General</i> , 2011 , 398, 59-65	5.1	26
177	In situ and simultaneous nanostructural and spectroscopic studies of ZnO nanoparticle and Zn-HDS formations from hydrolysis of ethanolic zinc acetate solutions induced by water. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 39, 25-36	2.3	26
176	Investigation of New Ion Conducting Ormolytes Silica-Polypropyleneglycol. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 909-913	2.3	25
175	Structure of SnO ₂ alcosols and films prepared by sol-gel dip coating. <i>Journal of Non-Crystalline Solids</i> , 2001 , 284, 61-67	3.9	25
174	Highly Controlled Diffusion Drug Release from Ureasil-Poly(ethylene oxide)-Na-Montmorillonite Hybrid Hydrogel Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19059-19068	9.5	24
173	The multiple benefits of glycerol conversion to acrolein and acrylic acid catalyzed by vanadium oxides supported on micro-mesoporous MFI zeolites. <i>Catalysis Today</i> , 2017 , 289, 20-28	5.3	24
172	Effect of In concentration in the starting solution on the structural and electrical properties of ZnO films prepared by the pyrosol process at 450°C. <i>Journal of Non-Crystalline Solids</i> , 2000 , 273, 302-306	3.9	24
171	Revisiting the ZnO Q-dot Formation Toward an Integrated Growth Model: From Coupled Time Resolved UV-Vis/SAXS/XAS Data to Multivariate Analysis. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 886-895	3.8	23
170	Drug-matrix interaction of sodium diclofenac incorporated into ureasil-poly(ethylene oxide) hybrid materials. <i>RSC Advances</i> , 2012 , 2, 5629	3.7	23
169	QEXAFS and UV/Vis Simultaneous Monitoring of the TiO ₂ -Nanoparticles Formation by Hydrolytic Sol-gel Route. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6228-6236	3.8	23
168	SnO ₂ :Eu nanocrystallites in SnO ₂ monolithic xerogels. <i>Chemical Physics Letters</i> , 1992 , 190, 64-66	2.5	23
167	Time-resolved XAS/MS/Raman monitoring of mutual copper self-reduction and ethanol dehydrogenation reactions. <i>RSC Advances</i> , 2016 , 6, 20453-20457	3.7	22
166	Design of microstructure of zirconia foams from the emulsion template properties. <i>Soft Matter</i> , 2013 , 9, 550-558	3.6	22
165	Ureasil-polyether hybrid film-forming materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 101, 156-616		22
164	Improved Conductivity Induced by Photodesorption in SnO ₂ Thin Films Grown by a Sol-Gel Dip Coating Technique. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 793-798	2.3	22
163	Formation of colloidal particles of hydrous iron oxide by forced hydrolysis. <i>Journal of Non-Crystalline Solids</i> , 2000 , 273, 41-47	3.9	22
162	Zirconia Needles Synthesized Inside Hexagonal Swollen Liquid Crystals. <i>Chemistry of Materials</i> , 2004 , 16, 4187-4192	9.6	21
161	Fenton-like degradation of methylene blue using Mg/Fe and MnMg/Fe layered double hydroxides as reusable catalysts. <i>Applied Clay Science</i> , 2020 , 187, 105477	5.2	20

160	Structure and thermal behavior of PMMA β polysilsesquioxane organic β inorganic hybrids. <i>Polymer Degradation and Stability</i> , 2014 , 104, 112-119	4.7	20
159	Ureasil β polyether hybrid blend with tuneable hydrophilic/hydrophobic features based on U-PEO1900 and U-PPO400 mixtures. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 70, 317-328	2.3	20
158	Preparation of ceramic membranes from surface modified tin oxide nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 216, 195-206	5.1	20
157	Small-angle X-ray and nuclear-magnetic resonance study of siloxane-PMMA hybrids prepared by the sol-gel process. <i>Journal of Applied Crystallography</i> , 2003 , 36, 473-477	3.8	20
156	Effect of electrolyte on the gelation and aggregation of SnO ₂ colloidal suspensions. <i>Journal of Non-Crystalline Solids</i> , 1992 , 147-148, 67-73	3.9	20
155	Thermal treatments of precursors of molybdenum and vanadium oxides and the formed Mo x V y O z phases active in the oxydehydration of glycerol. <i>Applied Catalysis A: General</i> , 2017 , 532, 1-11	5.1	19
154	Study of SnO ₂ gels by Eu ³⁺ fluorescence spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1992 , 147-148, 162-166	3.9	19
153	XPS Study of the Corrosion Protection of Fluorozirconate Glasses Dip-Coated with SnO ₂ Transparent Thin Films. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 32, 155-160	2.3	18
152	New Insights for Materials Science Characterisation Using Different Complementary Techniques Combined with Xray Absorption Spectroscopy. <i>Physica Scripta</i> , 2005 , 38	2.6	18
151	Characterization of Tin Oxide Based Sol-Gel Coatings on Borosilicate Glasses by X-Ray Reflectivity. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 811-816	2.3	18
150	Evolution of the fractal structure during sintering of SnO ₂ compacted sol-gel powder. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1995 , 97, 217-225	5.1	18
149	Studies on dispersion and reactivity of vanadium oxides deposited on lamellar ferrierite zeolites for condensation of glycerol into bulky products. <i>Molecular Catalysis</i> , 2018 , 458, 161-170	3.3	18
148	Hydrothermal synthesis of Mo-V mixed oxides possessing several crystalline phases and their performance in the catalytic oxydehydration of glycerol to acrylic acid. <i>Catalysis Today</i> , 2017 , 296, 10-18	5.3	17
147	Hydroxyapatite and β CP modified PMMA-TiO and PMMA-ZrO coatings for bioactive corrosion protection of Ti6Al4V implants. <i>Materials Science and Engineering C</i> , 2020 , 116, 111149	8.3	17
146	Electrical and optical characteristics of SnO ₂ thin films prepared by dip coating from aqueous colloidal suspensions. <i>Journal of Materials Science: Materials in Electronics</i> , 1997 , 8, 265-270	2.1	17
145	Synthesis and structural studies of bis(1,10-phenanthroline)thiocyanatemercury) tetracarbonyliron. <i>Polyhedron</i> , 1992 , 11, 799-803	2.7	17
144	Corrosion protection of chromium-coated steel by hybrid sol-gel coatings. <i>Surface and Coatings Technology</i> , 2016 , 299, 71-80	4.4	17
143	Correlation of Sol β gel Alumina-Supported Cobalt Catalyst Processing to Cobalt Speciation, Ethanol Steam Reforming Activity, and Stability. <i>ChemCatChem</i> , 2017 , 9, 3918-3929	5.2	16

142	Improvement of the photocatalytic activity of magnetite by Mn-incorporation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014 , 181, 64-69	3.1	16
141	Short range order evolution in the preparation of SnO ₂ based materials. <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 8, 261-268	2.3	16
140	Crystalline Li ₃ ThF ₇ : X-Ray Diffraction and NMR Studies. <i>Journal of Fluorine Chemistry</i> , 1989 , 42, 41-50	2.1	16
139	Barrier properties of high performance PMMA-silica anticorrosion coatings. <i>Progress in Organic Coatings</i> , 2020 , 138, 105398	4.8	16
138	Lignin as immobilization matrix for HIV p17 peptide used in immunosensing. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 420-426	11.8	15
137	PMMA-silica nanocomposite coating: Effective corrosion protection and biocompatibility for a Ti6Al4V alloy. <i>Materials Science and Engineering C</i> , 2020 , 110, 110713	8.3	15
136	Fine-tuning of a nanostructure, swelling, and drug delivery profile by blending ureasilâBEO and ureasilâBPO hybrids. <i>Polymer Chemistry</i> , 2014 , 5, 1897-1904	4.9	15
135	Chitosan/(ureasilâBEO hybrid) blend for drug delivery. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 233-238	2.3	15
134	Liquid Foam Templates Associated with the Sol-Gel Process for Production of Zirconia Ceramic Foams. <i>Materials</i> , 2013 , 6, 1967-1979	3.5	15
133	Controlling the growth of zirconia needles precursor from a liquid crystal template. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 353, 77-82	5.1	15
132	EXAFS and XRD study of the structural evolution during isothermal sintering of SnO ₂ xerogels. <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 8, 269-274	2.3	15
131	Improvement of the Mo/TiO ₂ -Al ₂ O ₃ Catalyst by the Control of the Sol-Gel Synthesis. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 31, 87-93	2.3	15
130	Spectroscopic characterization of SnO ₂ gels. <i>Journal of Sol-Gel Science and Technology</i> , 1994 , 2, 263-267	2.3	15
129	Ligand exchange inducing efficient incorporation of CisPt derivatives into Ureasil-PPO hybrid and their interactions with the multifunctional hybrid network. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7931-9	3.4	14
128	Thermostimulated SolâGel Transition in Suspensions of Sulfate-Zirconium Oxychloride. <i>Journal of Applied Crystallography</i> , 1997 , 30, 750-754	3.8	14
127	Zirconia foams prepared by integration of the solâgel method and dual soft template techniques. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 4786-4789	3.9	14
126	Effect of the surfactant nature on the thermo-stability of surface modified SnO ₂ nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 4790-4794	3.9	14
125	In situ UVâVis and EXAFS studies of ZnO quantum-sized nanocrystals and Zn-HDS formations from solâgel route. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 3691-3695	6	14

124	Evolution of rheological properties and local structure during gelation of siloxane-polymethylmethacrylate hybrid materials. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 37, 179-184	2.3	14
123	Sol-gel transition in SnO ₂ colloidal suspensions: viscoelastic properties. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 153-157	3.9	14
122	Magnetic hyperthermia-induced drug release from ureasil-PEO-Fe ₂ O ₃ nanocomposites. <i>RSC Advances</i> , 2016 , 6, 63291-63295	3.7	13
121	Dual Role of Lithium on the Structure and Self-Healing Ability of PMMA-Silica Coatings on AA7075 Alloy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40629-40641	9.5	13
120	Stimuli-responsive controlled growth of mono- and bidimensional particles from basic zirconium sulfate hydrosols. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 9006-12	3.4	13
119	Zeta Potential and Colloidal Stability Predictions for Inorganic Nanoparticle Dispersions: Effects of Experimental Conditions and Electrokinetic Models on the Interpretation of Results. <i>Langmuir</i> , 2021 , 37, 13379-13389	4	13
118	Operando monitoring of metal sites and coke evolution during non-oxidative and oxidative ethanol steam reforming over Ni and NiCu ex-hydrotalcite catalysts. <i>Catalysis Today</i> , 2019 , 336, 122-130	5.3	13
117	High surface area hierarchical porous Al ₂ O ₃ prepared by the integration of sol-gel transition and phase separation. <i>RSC Advances</i> , 2016 , 6, 57217-57226	3.7	12
116	Design of hierarchical porous aluminas by using one-pot synthesis and different calcination temperatures. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 63, 242-250	2.3	12
115	Photocatalyst TiO ₂ : the effect of doping depth profile on methylene blue degradation. <i>Journal of Materials Science</i> , 2010 , 45, 5698-5703	4.3	12
114	Influence of membrane-solution interface on the selectivity of SnO ₂ ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2001 , 22-23, 17-22	8.3	12
113	The effect of Nb ₂ O ₅ on crystallite growth during the sintering of SnO ₂ ceramics. <i>Journal of Materials Science Letters</i> , 1993 , 12, 992-994		12
112	A comparative study on PMMA-TiO ₂ and PMMA-ZrO ₂ protective coatings. <i>Progress in Organic Coatings</i> , 2020 , 140, 105477	4.8	12
111	SAXS measurements of the porosity in Cu(II)-doped SnO ₂ xerogels during crystallization. <i>Journal of Non-Crystalline Solids</i> , 1997 , 217, 41-47	3.9	11
110	Study of the Selectivity of SnO ₂ Supported Membranes Prepared by a Sol-Gel Route. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 805-811	2.3	11
109	Characterization of the porosity developed in a new titania-alumina catalyst support prepared by the sol gel route. <i>Journal of Applied Crystallography</i> , 2003 , 36, 469-472	3.8	11
108	Nanocrystalline anatase thin films prepared from redispersible sol-gel powders. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2175-2180	6	11
107	EXAFS study of niobium sites in nanocrystalline Nb-doped SnO ₂ oxide ceramics. <i>Journal of Materials Science Letters</i> , 2001 , 20, 555-557		11

106	Formation of zirconia foams using the thermostimulated solâgel transition. <i>Journal of Non-Crystalline Solids</i> , 2002 , 304, 143-150	3.9	11
105	Morphological characterization of aqueous tin oxyhydroxide gel. <i>Journal of Non-Crystalline Solids</i> , 1994 , 170, 21-26	3.9	11
104	The Monoglyceride Content Affects the Self-Assembly Behavior, Rheological Properties, Syringeability, and Mucoadhesion of In Situ-Gelling Liquid Crystalline Phase. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 2355-64	3.9	10
103	Liquid crystalline formulations containing modified surface TiO2 nanoparticles obtained by solâgel process. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 63, 251-257	2.3	10
102	Synthesis, structure, and thermal stability of poly(methyl methacrylate)-co-poly(3-tri(methoxysilyl)propyl methacrylate)/ montmorillonite nanocomposites. <i>Polymer Engineering and Science</i> , 2013 , 53, 1253-1261	2.3	10
101	Effects of Synthesis Conditions on the Nanostructure of Hybrid Sols Produced by the Hydrolytic Condensation of (3-Methacryloxypropyl)trimethoxysilane. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14708-14714	3.8	10
100	Thermo-reversible solâgel transition of TiO2 nanoparticles with surface modified by p-toluene sulfonic acid. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 193-198	6	10
99	Study of Structural Surface Modified Tin Oxide Membrane Prepared by Sol-Gel Route Sintered at 400°C. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 171-175	2.3	10
98	Structural characterization of undoped and Sb-doped SnO2 thin films fired at different temperatures. <i>Journal of Applied Crystallography</i> , 2003 , 36, 736-739	3.8	10
97	Structure of weakly bonded PPG-silica nanocomposites. <i>Journal of Applied Crystallography</i> , 2000 , 33, 700-703	3.8	10
96	Pore size distribution of unsupported SnO2 membranes prepared by sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 1994 , 2, 575-579	2.3	10
95	Sulfated zirconia foams synthesized by integrative route combining surfactants, air bubbles and solâgel transition applied to heterogeneous catalysis. <i>RSC Advances</i> , 2016 , 6, 6686-6694	3.7	9
94	SAXS and UVâVis combined to Quick-XAFS monitoring of ZnO nanoparticles formation and growth. <i>Phase Transitions</i> , 2011 , 84, 714-725	1.3	9
93	Effect of Aging on the Stability of Ceramic Foams Prepared by Thermostimulated Sol-Gel Process. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 165-169	2.3	9
92	Small-angle X-ray scattering and X-ray absorption near-edge structure study of iron-doped siloxane-polyoxyethylene nanocomposites. <i>Journal of Applied Crystallography</i> , 2003 , 36, 405-409	3.8	9
91	Study on the initial stages of water corrosion of fluorozirconate glasses. <i>Journal of Non-Crystalline Solids</i> , 2004 , 348, 38-43	3.9	9
90	Density improvement of the solâgel dip-coated SnO2 films by chemical surface modification. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2045-2049	6	9
89	Gelation of siloxaneâpoly(oxypropylene) composites. <i>Journal of Non-Crystalline Solids</i> , 2002 , 304, 134-143	3.9	9

88	Evolution of the viscoelastic properties of SnO ₂ colloidal suspensions during the sol-gel transition. <i>Journal of Non-Crystalline Solids</i> , 2000 , 273, 116-123	3.9	9
87	SAXS Study of Gelation, Aging and Drying of Silica-Polypropyleneglycol Hybrid Materials. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 172	1.4	9
86	X-ray reflectivity of zirconia based sol-gel coatings on borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 158-163	3.9	9
85	Activation of Mo and V oxides supported on ZSM-5 zeolite catalysts followed by in situ XAS and XRD and their uses in oxydehydration of glycerol. <i>Molecular Catalysis</i> , 2020 , 481, 110158	3.3	9
84	Operando XAS/Raman/MS monitoring of ethanol steam reforming reaction-regeneration cycles. <i>Catalysis Science and Technology</i> , 2018 , 8, 6297-6301	5.5	9
83	Emulsion-mediated synthesis of hierarchical mesoporous-macroporous Al-Mg hydrotalcites. <i>Microporous and Mesoporous Materials</i> , 2017 , 240, 149-158	5.3	8
82	Thermo-Reversible Sol-Gel Transition of Surface Modified Titanium Poly Oxo Building Blocks. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1416-1423	3.8	8
81	Controlled growth of anodic aluminium oxide films with hexagonal array of nanometer-sized pores filled with textured copper nanowires. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 181-186	6	8
80	Structural Features of Phosphate and Sulfate Modified Zirconia Prepared by Sol-Gel Route. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 32, 91-97	2.3	8
79	Structure and Electrical Properties of Potassium-Doped Siloxane-Poly(oxypropylene) Ormolytes. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 1075-1080	2.3	8
78	Effect of presence of an acid catalyst on structure and properties of iron-doped siloxane-polyoxyethylene nanocomposites prepared by sol-gel. <i>Journal of Non-Crystalline Solids</i> , 2004 , 345-346, 585-590	3.9	8
77	Siloxane-polypropyleneoxide hybrid ormolytes: structure-ionic conductivity relationships. <i>Journal of Non-Crystalline Solids</i> , 2002 , 304, 109-115	3.9	8
76	Small-angle X-ray scattering study of the smart thermo-optical behavior of zirconyl aqueous colloids. <i>Journal of Applied Crystallography</i> , 2000 , 33, 592-596	3.8	8
75	Li ⁺ , F ⁻ ionic mobility in lithium fluoride glasses prepared from thorium tetrafluoride (NMR study). <i>Journal of Fluorine Chemistry</i> , 1988 , 38, 375-389	2.1	8
74	Structural and thermal properties of carboxylic acid functionalized polythiophenes. <i>Polimeros</i> , 2014 , 24, 31-35	1.6	8
73	Conjugation of superparamagnetic iron oxide nanoparticles and curcumin photosensitizer to assist in photodynamic therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111297	6	8
72	Thermal stability of PMMA-LDH nanocomposites: decoupling the physical barrier, radical trapping, and charring contributions using XAS/WAXS/Raman time-resolved experiments. <i>RSC Advances</i> , 2018 , 8, 34670-34681	3.7	8
71	Structural and optical features of ureasiloxane-polyethylene oxide hybrids containing CeO ₂ nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 471, 73-80	5.1	7

70	SAXS study of monodispersed silica nanospheres obtained by an amino acid route. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2622-2625	3.9	7
69	Preparation of SnO ₂ supported membranes with ultrafine pores. <i>Journal of Membrane Science</i> , 1997 , 127, 77-86	9.6	7
68	XPS study on water corrosion of fluorozirconate glasses and their protection by a layer of surface modified tin dioxide nanoparticles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007 , 156-158, 128-134	1.7	7
67	Sol phase and sol-gel transition in SnO ₂ colloidal suspensions. <i>Journal of Applied Crystallography</i> , 2000 , 33, 609-613	3.8	7
66	Drying Study of Siloxane-PPG Nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 137-144	3.4	7
65	Nanopore Size Growth and Ultrafiltration Performance of SnO ₂ Ceramic Membranes Prepared by Sol-Gel Route. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 621-625	2.3	7
64	Structural characterization of a tin oxyhydroxide gel and its precursor sol. <i>Journal of Non-Crystalline Solids</i> , 1992 , 142, 181-184	3.9	7
63	Drying of SnO ₂ hydrogels: effect of the electrolyte. <i>Journal of Non-Crystalline Solids</i> , 1992 , 147-148, 340-345	3.9	7
62	Sodium montmorillonite/ureasil-poly(oxyethylene) nanocomposite as potential adsorbent of cationic dye. <i>Applied Clay Science</i> , 2018 , 152, 158-165	5.2	7
61	In situ three-dimensional imaging of strain in gold nanocrystals during catalytic oxidation. <i>Nanoscale Advances</i> , 2019 , 1, 3009-3014	5.1	6
60	Textured macro- and mesoporous alumina samples designed in the presence of different surfactant types. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 71, 9-15	2.3	6
59	Structure and catalytic properties of sulfated zirconia foams. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 72, 252-259	2.3	6
58	Formation of TiO ₂ ceramic foams from the integration of the sol-gel method with surfactants assembly and emulsion. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 63, 224-229	2.3	6
57	Multi-spectroscopic monitoring of cisplatin-derived species delivery from ureasil polyether hybrid matrix. <i>Phase Transitions</i> , 2011 , 84, 687-699	1.3	6
56	Effect of lithium doping on the evolution of rheological and structural properties during gelation of siloxane-poly(oxypropylene) nanocomposites. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3962		6
55	Local and nanoscopic structure of potassium triflate-doped siloxane-polyoxyethylene ormolytes. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 3457-3462	3.9	6
54	Nanostructure and properties of ZnO films produced by the pyrosol process. <i>Journal of Applied Crystallography</i> , 2003 , 36, 435-438	3.8	6
53	Surface protection of fluoroindate glasses by sol-gel dip-coated SnO ₂ thin layers. <i>Journal of Non-Crystalline Solids</i> , 1999 , 256-257, 154-159	3.9	6

52	Anisotropy of crystallite growth during sintering of SnO ₂ xerogels. <i>Journal of Materials Science</i> , 1996 , 31, 4087-4092	4.3	6
51	N ₂ adsorption isotherms study of the texture changes in silica gel modified by organofunctional groups. <i>Journal of Materials Science Letters</i> , 1996 , 15, 1450-1453		6
50	Unified ZnO Q-dot growth mechanism from simultaneous UV-Vis and EXAFS monitoring of sol-gel reactions induced by different alkali base. <i>Optical Materials</i> , 2016 , 61, 92-97	3.3	6
49	Sol-gel synthesis of nanocrystalline MgO and its application as support in Ni/MgO catalysts for ethanol steam reforming. <i>Applied Surface Science</i> , 2021 , 542, 148744	6.7	6
48	Coupling Photoluminescence and Ionic Conduction Properties Using the Different Coordination Sites of Ureasil-Polyether Hybrid Materials. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37364-37373	9.5	6
47	Effect of Ce(III) and Ce(IV) ions on the structure and active protection of PMMA-silica coatings on AA7075 alloy. <i>Corrosion Science</i> , 2021 , 189, 109581	6.8	6
46	Structural and Electronic Properties of Iron-Doped Sodium Montmorillonite Clays: A First-Principles DFT Study. <i>ACS Omega</i> , 2019 , 4, 14369-14377	3.9	5
45	Synthesis of PTSH-modified CeO ₂ nanoparticles: Effect of the modifier on structure, optical properties, and dispersibility. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 426, 63-69	5.1	5
44	Dynamical scaling properties of nanoporous undoped and Sb-doped SnO ₂ supported thin films during tri- and bidimensional structure coarsening. <i>Physical Review B</i> , 2007 , 75,	3.3	5
43	Nanostructure and luminescent properties of sol-gel derived europium-doped amine functionalised hybrids. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 37, 99-104	2.3	5
42	Etude par RMN de la conductivite ionique dans Li ₃ ThF ₇ : comparaison entre materiau cristallise et amorphe. <i>Journal of Fluorine Chemistry</i> , 1989 , 42, 31-39	2.1	5
41	Loaded Ce-Ag organic-inorganic hybrids and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 147, 151-160	6	5
40	In situ reactor to image catalysts at work in three-dimensions by Bragg coherent X-ray diffraction. <i>Catalysis Today</i> , 2019 , 336, 169-173	5.3	5
39	Controlling the porosity and crystallinity of MgO catalysts by addition of surfactant in the sol-gel synthesis. <i>Catalysis Today</i> , 2020 , 344, 52-58	5.3	5
38	Quick-EXAFS and Raman monitoring of activation, reaction and deactivation of NiCu catalysts obtained from hydrotalcite-like precursors. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18835-18848	3.6	4
37	Thermal properties, nanoscopic structure and swelling behavior of chitosan/(ureasil-polyethylene oxide hybrid) blends. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 130, 791-798	4.1	4
36	Wettability and photodegradation activity of sol-gel dip-coated zinc oxide films. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 63, 230-234	2.3	4
35	Formation of SnO ₂ supported porous membranes. <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 8, 477-481	2.3	4

34	Organic-Inorganic Hybrid Coatings for Corrosion Protection of Metallic Surfaces 2017 ,		3
33	Catalytic performance of texturally improved Al-Mg mixed oxides derived from emulsion-synthesized hydrotalcites.. <i>RSC Advances</i> , 2018 , 8, 6039-6046	3.7	3
32	Constru de uma cnara para monitoramento in situ do processo de secagem de geis e slidos porosos. <i>Quimica Nova</i> , 2011 , 34, 1455-1458	1.6	3
31	Isothermal Structural Evolution of SnO ₂ Monolithic Porous Xerogels. <i>Journal of Applied Crystallography</i> , 1997 , 30, 664-669	3.8	3
30	Small angle X-ray scattering study of surface modified tin oxide nanoparticles prepared by sol-gel route. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 37, 213-217	2.3	3
29	Response to Comment on "Catalysis and Temperature Dependence on the Formation of ZnO Nanoparticles and of Zinc Acetate Derivatives Prepared by the Sol-Gel Route" <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15436-15437	3.4	3
28	Gelation and drying of weakly bonded silica-PPO nanocomposites. <i>Journal of Applied Crystallography</i> , 2003 , 36, 689-693	3.8	3
27	Effect of salt nature on structure and ionic conductivity of sodium-doped siloxane-PPO ormolytes. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2617-2621	6	3
26	Photodesorption and electron trapping in n-type SnO ₂ thin films grown by dip-coating technique. <i>Radiation Effects and Defects in Solids</i> , 1998 , 146, 199-206	0.9	3
25	Oxygen related defects excitation and photoconductivity dependence of SnO ₂ Sol-Gel films with several light sources. <i>Radiation Effects and Defects in Solids</i> , 1999 , 150, 391-395	0.9	3
24	Time evolution of the structure function and dynamical scaling in porous SnO ₂ dry gels. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 97, 78-81	1.2	3
23	Protective Coatings Based on PMMA-Silica Nanocomposites Reinforced with Carbon Nanotubes 2016 ,		3
22	Sulfated tin oxide with macro- and mesopores controlled using an integrated sol-gel and surfactant template route. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 583, 124012	5.1	2
21	Structural and Rheological Properties of Zirconia-Pmma Sol-Gel System. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 519, 369		2
20	Ethyl 2-cyano-5-phenyl-(2E,4E)-pentadienoate. <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1981 , 37, 1470-1471		2
19	Vidros recobertos com camadas delgadas transparentes de SnO ₂ . <i>Quimica Nova</i> , 1998 , 21, 510-513	1.6	2
18	Estudo da secagem de materiais hbridos siloxano-PMMA preparados pelo processo sol-gel. <i>Eclética Quimica</i> , 2002 , 27, 19-26	2.6	2
17	Protective PMMA-silica coatings for aluminum alloys: Nanostructural control of elevated thermal stability and anticorrosive performance. <i>Progress in Organic Coatings</i> , 2021 , 152, 106129	4.8	2

16	EXAFS and XRD Study of the Structural Evolution during Isothermal Sintering of SnO ₂ Xerogels. <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 8, 269-274	2.3	1
15	Corrosion protection of fluorzirconate glasses coated by a layer of surface modified tin oxide nanoparticles. <i>Thin Solid Films</i> , 2006 , 502, 94-98	2.2	1
14	Rheological study of the thermoreversible sol-gel transition of sulfate modified zirconyl chloride aqueous sol. <i>Journal of Non-Crystalline Solids</i> , 2004 , 348, 205-210	3.9	1
13	Contribution of oxygen related defects to the electronic transport in SnO ₂ sol-gel films. <i>Radiation Effects and Defects in Solids</i> , 2001 , 156, 145-149	0.9	1
12	Vanadosilicate with MWW zeolite structure synthesized from VCl ₃ by cooperative assembly of organic templates. <i>Microporous and Mesoporous Materials</i> , 2019 , 279, 252-261	5.3	1
11	Relevance of sol-gel transition and spinodal decomposition for hierarchical porosity structure of monolithic alumina. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 11, 1-10	2.3	1
10	Accelerated ultraviolet aging of structural and luminescent properties of the ureasil-polyether hybrid materials U-PEO:Eu ³⁺ and U-PPO:Eu ³⁺ . <i>Polymer</i> , 2019 , 177, 102-110	3.9	0
9	Smart PMMA-cerium oxide anticorrosive coatings: Effect of ceria content on structure and electrochemical properties. <i>Progress in Organic Coatings</i> , 2021 , 161, 106548	4.8	0
8	Liquid crystals as pore template for sulfated zirconia. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 600, 124907	5.1	0
7	Improvement of the chemical resistance of zirconium fluoride glasses coated with a Tiron-modified tin oxide layer prepared by the sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 3653-3658	3.9	0
6	Electrical Percolation During Gelation of Lithium Doped Siloxane-Poly(oxyethylene) Hybrids. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 32, 303-309	2.3	0
5	Correlation Between Local Structure and Ionic Conductivity of Potassium Doped Siloxane Polypropyleneoxide Ormolytes. <i>Physica Scripta</i> , 2005 , 516	2.6	0
4	Applications of X-Ray Absorption Spectroscopy in Materials Science 2004 , 15-30		0
3	Control of the structure and of the release profile of biological active molecules from materials prepared via sol-gel. <i>Journal of Sol-Gel Science and Technology</i> , 2022 , 101, 71-86	2.3	0
2	Fingerprint of semi-crystalline structure memory in the thermal and ionic conduction properties of amorphous ureasil-polyether hybrid solid electrolytes. <i>RSC Advances</i> , 2022 , 12, 5225-5235	3.7	0
1	Glycerol-based polyurethane-silica organic-inorganic hybrid as an anticorrosive coating. <i>Progress in Organic Coatings</i> , 2022 , 169, 106939	4.8	0