

Plinio C Innocenzi

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236
papers

7,602
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46
h-index

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247
ext. papers

8,274
ext. citations

5.7
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L-index

#	Paper	IF	Citations
236	Infrared spectroscopy of sol-gel derived silica-based films: a spectra-microstructure overview. <i>Journal of Non-Crystalline Solids</i> , 2003 , 316, 309-319	3.9	739
235	Hydrophobic, Antireflective, Self-Cleaning, and Antifogging Sol-Gel Coatings: An Example of Multifunctional Nanostructured Materials for Photovoltaic Cells. <i>Chemistry of Materials</i> , 2010 , 22, 4406-4413	9.6	234
234	Mesoporous thin films: properties and applications. <i>Chemical Society Reviews</i> , 2013 , 42, 4198-216	58.5	227
233	Organic-Inorganic hybrid materials for non-linear optics. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3821		199
232	Mesoporous hybrid thin films: the physics and chemistry beneath. <i>Chemistry - A European Journal</i> , 2006 , 12, 4478-94	4.8	198
231	Hybrid materials for optics and photonics. <i>Chemical Society Reviews</i> , 2011 , 40, 886-906	58.5	184
230	Order-Disorder Transitions and Evolution of Silica Structure in Self-Assembled Mesostructured Silica Films Studied through FTIR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 4711-4717	3.4	167
229	Fluorescence Properties of the Ru(bpy) ₃ ²⁺ Complex Incorporated in Sol-Gel-Derived Silica Coating Films. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 2285-2291	3.4	153
228	New Synthetic Route to (3-Glycidoxypropyl)trimethoxysilane-Based Hybrid Organic-Inorganic Materials. <i>Chemistry of Materials</i> , 1999 , 11, 1672-1679	9.6	147
227	Structure and properties of sol-gel coatings from methyltriethoxysilane and tetraethoxysilane. <i>Journal of Sol-Gel Science and Technology</i> , 1994 , 3, 47-55	2.3	139
226	Fullerene-Based Organic-Inorganic Nanocomposites and Their Applications. <i>Chemistry of Materials</i> , 2001 , 13, 3126-3139	9.6	128
225	Hierarchical Mesoporous Films: From Self-Assembly to Porosity with Different Length Scales. <i>Chemistry of Materials</i> , 2011 , 23, 2501-2509	9.6	127
224	Silica Orthorhombic Mesostructured Films with Low Refractive Index and High Thermal Stability. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 10942-10948	3.4	107
223	Hybrid Organic-Inorganic Sol-Gel Materials Based on Epoxy-Amine Systems. <i>Journal of Sol-Gel Science and Technology</i> , 2005 , 35, 225-235	2.3	104
222	Competitive Polymerization between Organic and Inorganic Networks in Hybrid Materials. <i>Chemistry of Materials</i> , 2000 , 12, 3726-3732	9.6	103
221	Order-Disorder in Self-Assembled Mesostructured Silica Films: A Concepts Review. <i>Chemistry of Materials</i> , 2009 , 21, 2555-2564	9.6	102
220	Carbon-based antiviral nanomaterials: graphene, C-dots, and fullerenes. A perspective. <i>Chemical Science</i> , 2020 , 11, 6606-6622	9.4	95

219	Microstructural and optical properties of sol-gel silica-titania waveguides. <i>Journal of Non-Crystalline Solids</i> , 1997 , 220, 202-209	3.9	92
218	Solid-State NMR Characterization of the Surfactant-Silica Interface in Templated Silicas: Acidic versus Basic Conditions. <i>Chemistry of Materials</i> , 2007 , 19, 1343-1354	9.6	90
217	Patterning Techniques for Mesoporous Films <i>Chemistry of Materials</i> , 2008 , 20, 607-614	9.6	81
216	Optical and surface properties of inorganic and hybrid organic-inorganic silica-titania sol-gel planar waveguides. <i>Journal of Non-Crystalline Solids</i> , 1999 , 259, 182-190	3.9	76
215	Humidity sensors based on mesoporous silica thin films synthesised by block copolymers. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1969-1972	6	74
214	Dimer-to-monomer transformation of rhodamine 6G in sol-gel silica films. <i>Journal of Non-Crystalline Solids</i> , 1996 , 201, 26-36	3.9	70
213	One-Pot Route to Produce Hierarchically Porous Titania Thin Films by Controlled Self-Assembly, Swelling, and Phase Separation. <i>Chemistry of Materials</i> , 2009 , 21, 2763-2769	9.6	68
212	C60 derivatives embedded in sol-gel silica films. <i>Advanced Materials</i> , 1995 , 7, 404-406	24	68
211	Highly ordered "defect-free" self-assembled hybrid films with a tetragonal mesostructure. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3838-46	16.4	67
210	Evaporation of ethanol and ethanol-water mixtures studied by time-resolved infrared spectroscopy. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 6512-6	2.8	64
209	Electrical and structural characterisation of mesoporous silica thin films as humidity sensors. <i>Sensors and Actuators B: Chemical</i> , 2001 , 76, 299-303	8.5	64
208	Aggregation States of Rhodamine 6G in Mesoporous Silica Films. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16225-16230	3.8	63
207	Mesoporous silica thin films for alcohol sensors. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 1985-1988	61	
206	Sol-gel reactions of 3-glycidoxypropyltrimethoxysilane in a highly basic aqueous solution. <i>Dalton Transactions</i> , 2009 , 9146-52	4.3	57
205	Incorporation of Zwitterionic Push-Pull Chromophores into Hybrid Organic-Inorganic Matrixes. <i>Chemistry of Materials</i> , 2002 , 14, 3758-3766	9.6	57
204	Fabrication of Advanced Functional Devices Combining Soft Chemistry with X-ray Lithography in One Step. <i>Advanced Materials</i> , 2009 , 21, 4932-4936	24	56
203	Mechanical Properties of 3-Glycidoxypropyltrimethoxysilane Based Hybrid Organic-Inorganic Materials. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 20, 293-301	2.3	56
202	Highly durable graphene-mediated surface enhanced Raman scattering (G-SERS) nanocomposites for molecular detection. <i>Applied Surface Science</i> , 2018 , 450, 451-460	6.7	53

201	A Novel Synthesis of Sol-Gel Hybrid Materials by a Nonhydrolytic/Hydrolytic Reaction of (3-Glycidoxypropyl)trimethoxysilane with TiCl ₄ . <i>Chemistry of Materials</i> , 2001 , 13, 3635-3643	9.6	53
200	Carbon Dots from Citric Acid and its Intermediates Formed by Thermal Decomposition. <i>Chemistry - A European Journal</i> , 2019 , 25, 11963-11974	4.8	52
199	Hierarchical Porous Silica Films with Ultralow Refractive Index. <i>Chemistry of Materials</i> , 2009 , 21, 2055-2061	9.6	51
198	Time-Resolved Simultaneous Detection of Structural and Chemical Changes during Self-Assembly of Mesoporous Films. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5345-5350	3.8	51
197	A comparative FTIR study of thermal and photo-polymerization processes in hybrid sol-gel films. <i>Journal of Non-Crystalline Solids</i> , 2004 , 333, 137-142	3.9	51
196	Graphene and carbon nanodots in mesoporous materials: an interactive platform for functional applications. <i>Nanoscale</i> , 2015 , 7, 12759-72	7.7	50
195	Design of Carbon Dots Photoluminescence through Organo-Functional Silane Grafting for Solid-State Emitting Devices. <i>Scientific Reports</i> , 2017 , 7, 5469	4.9	48
194	Time-resolved infrared spectroscopy as an in situ tool to study the kinetics during self-assembly of mesoporous films. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 10837-41	3.4	48
193	Controlling the Thermal Polymerization Process of Hybrid Organic-Inorganic Films Synthesized from 3-Methacryloxypropyltrimethoxysilane and 3-Aminopropyltriethoxysilane. <i>Chemistry of Materials</i> , 2003 , 15, 4790-4797	9.6	46
192	Optical limiting and non linear optical properties of fullerene derivatives embedded in hybrid sol-gel glasses. <i>Carbon</i> , 2000 , 38, 1653-1662	10.4	46
191	3-(Glycidoxypropyl)-trimethoxysilane-TiO ₂ hybrid organic-inorganic materials for optical limiting. <i>Journal of Non-Crystalline Solids</i> , 2000 , 265, 68-74	3.9	46
190	PbS-Doped Mesoporous Silica Films with High Optical Nonlinearity. <i>Chemistry of Materials</i> , 2005 , 17, 4965-4970	9.6	45
189	Structural Control in Germania Hybrid Organic-Inorganic Materials. <i>Chemistry of Materials</i> , 2005 , 17, 3172-3180	9.6	45
188	Mesoporous self-assembled titania films for photovoltaic applications. <i>Microporous and Mesoporous Materials</i> , 2006 , 88, 304-311	5.3	45
187	Evaporation-induced crystallization of pluronic F127 studied in situ by time-resolved infrared spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 304-8	2.8	43
186	Photoinduced Formation of Wrinkled Microstructures with Long-Range Order in Thin Oxide Films. <i>Advanced Materials</i> , 2007 , 19, 4343-4346	24	43
185	Fabrication of Mesoporous Functionalized Arrays by Integrating Deep X-Ray Lithography with Dip-Pen Writing. <i>Advanced Materials</i> , 2008 , 20, 1864-1869	24	42
184	Top-down patterning of zeolitic imidazolate framework composite thin films by deep X-ray lithography. <i>Chemical Communications</i> , 2012 , 48, 7483-5	5.8	40

183	Nanocomposite mesoporous ordered films for lab-on-chip intrinsic surface enhanced Raman scattering detection. <i>Nanoscale</i> , 2011 , 3, 3760-6	7.7	40
182	Zirconia-ormosil films doped with PbS quantum dots. <i>Journal of Non-Crystalline Solids</i> , 1999 , 244, 55-62	3.9	40
181	Relative humidity and alcohol sensors based on mesoporous silica thin films synthesised from block copolymers. <i>Sensors and Actuators B: Chemical</i> , 2003 , 95, 107-110	8.5	39
180	Crystallization in Hybrid Organic/Inorganic Materials Induced by Self-Organization in Basic Conditions. <i>Chemistry of Materials</i> , 2007 , 19, 1946-1953	9.6	35
179	Microstructural characterization of gold-doped silica-titania sol-gel films. <i>Thin Solid Films</i> , 1996 , 279, 23-28	2.2	35
178	Energy Transfer Induced by Carbon Quantum Dots in Porous Zinc Oxide Nanocomposite Films. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2837-2843	3.8	34
177	Direct nano-in-micropatterning of TiO ₂ thin layers and TiO ₂ /Pt nanoelectrode arrays by deep X-ray lithography. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3597		34
176	Graphene Oxide/Iron Oxide Nanocomposites for Water Remediation. <i>ACS Applied Nano Materials</i> , 2018 , 1, 6724-6732	5.6	34
175	Photocurable glycidoxypopyltrimethoxysilane based sol-gel hybrid materials. <i>Progress in Solid State Chemistry</i> , 2006 , 34, 223-229	8	33
174	Materials for Photonic Applications From Sol-Gel* 2000 , 4, 151-165		33
173	Ceria nanoparticles for the treatment of Parkinson-like diseases induced by chronic manganese intoxication. <i>RSC Advances</i> , 2015 , 5, 20432-20439	3.7	31
172	Hard X-rays meet soft matter: when bottom-up and top-down get along well. <i>Soft Matter</i> , 2012 , 8, 3722	3.6	31
171	Writing Self-Assembled Mesostructured Films with In situ Formation of Gold Nanoparticles. <i>Chemistry of Materials</i> , 2010 , 22, 2132-2137	9.6	31
170	Self-Organized Nanocrystalline Organosilicates in Organic-Inorganic Hybrid Films. <i>Advanced Materials</i> , 2009 , 21, 1732-1736	24	30
169	Highly ordered self-assembled mesostructured membranes: Porous structure and pore surface coverage. <i>Microporous and Mesoporous Materials</i> , 2007 , 103, 113-122	5.3	30
168	Poled Sol-Gel Materials With Heterocycle Push-Pull Chromophores that Confer Enhanced Second-Order Optical Nonlinearity. <i>Advanced Functional Materials</i> , 2004 , 14, 1160-1166	15.6	29
167	Sol-Gel Synthesis of Al ₂ TiO ₅ Thin Films at Low Temperature. <i>Chemistry of Materials</i> , 2000 , 12, 517-524	9.6	29
166	Graphene-mediated surface enhanced Raman scattering in silica mesoporous nanocomposite films. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25809-18	3.6	28

165	Thermal stability of lysozyme Langmuir-Schaefer films by FTIR spectroscopy. <i>Langmuir</i> , 2007 , 23, 1147-51		28
164	Thermal-induced phase transitions in self-assembled mesostructured films studied by small-angle X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2005 , 12, 734-8	2.4	28
163	Sol-Gel Processing of Bi ₂ Ti ₂ O ₇ and Bi ₂ Ti ₄ O ₁₁ Films with Photocatalytic Activity. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2897-2902	3.8	26
162	Confined growth of iron cobalt nanocrystals in mesoporous silica thin films: FeCoBiO ₂ nanocomposites. <i>Microporous and Mesoporous Materials</i> , 2008 , 115, 338-344	5.3	26
161	Exfoliated graphene into highly ordered mesoporous titania films: highly performing nanocomposites from integrated processing. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 795-802	9.5	25
160	FTIR nanobiosensors for Escherichia coli detection. <i>Beilstein Journal of Nanotechnology</i> , 2012 , 3, 485-92	3	25
159	Hafnia sol-gel films synthesized from HfCl ₄ : Changes of structure and properties with the firing temperature. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 42, 89-93	2.3	25
158	Kinetics of polycondensation reactions during self-assembly of mesostructured films studied by in situ infrared spectroscopy. <i>Chemical Communications</i> , 2005 , 2384-6	5.8	25
157	Optical Limiting Devices Based on C60 Derivatives in Sol-Gel Hybrid Organic-Inorganic Materials. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 19, 263-266	2.3	25
156	Raman microspectroscopy as a non-invasive tool to assess the vitrification-induced changes of ovine oocyte zona pellucida. <i>Cryobiology</i> , 2012 , 64, 267-72	2.7	24
155	Highly Ordered Self-Assembled Mesostructured Hafnia Thin Films: An Example of Rewritable Mesostructure. <i>Chemistry of Materials</i> , 2006 , 18, 4553-4560	9.6	24
154	Sensoristic Applications of Self-assembled Mesostructured Silica Films. <i>Sensor Letters</i> , 2003 , 1, 64-70	0.9	24
153	Integrating sol-gel and carbon dots chemistry for the fabrication of fluorescent hybrid organic-inorganic films. <i>Scientific Reports</i> , 2020 , 10, 4770	4.9	23
152	Sol-gel chemistry for graphene-silica nanocomposite films. <i>New Journal of Chemistry</i> , 2014 , 38, 3777-3782	3.6	23
151	Design of hybrid organic-inorganic materials through their structure control: The case of epoxy bearing alkoxides. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1615-1626	3.9	23
150	Preparation of coating films doped with gold metal particles from methyltriethoxysilane-tetraethoxysilane solutions. <i>Journal of Sol-Gel Science and Technology</i> , 1994 , 1, 305-318	2.3	23
149	Fluorescent carbon dots in solid-state: From nanostructures to functional devices. <i>Progress in Solid State Chemistry</i> , 2021 , 62, 100295	8	23
148	Sol-gel chemistry: from self-assembly to complex materials. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 60, 226-235	2.3	22

147	Chemical tailoring of hybrid sol-gel thick coatings as hosting matrix for functional patterned microstructures. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 245-51	9.5	22
146	One-pot self-assembly of mesostructured silica films and membranes functionalised with fullerene derivatives. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1838		22
145	Mesoporous aluminophosphate thin films with cubic pore arrangement. <i>Langmuir</i> , 2008 , 24, 6220-5	4	21
144	Electrical responses of silica mesostructured films to changes in environmental humidity and processing conditions. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 1980-1986	3.9	21
143	Ordered Mesostructured Silica Films: Effect of Pore Surface on its Sensing Properties. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 32, 107-110	2.3	21
142	Photodegradation of rhodamine 6G dimers in silica sol-gel films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 271, 93-98	4.7	20
141	Molecularly imprinted La-doped mesoporous titania films with hydrolytic properties toward organophosphate pesticides. <i>New Journal of Chemistry</i> , 2013 , 37, 2995	3.6	20
140	Shaping mesoporous films using dewetting on X-ray pre-patterned hydrophilic/hydrophobic layers and pinning effects at the pattern edge. <i>Langmuir</i> , 2011 , 27, 3898-905	4	20
139	Photo-fabrication of titania hybrid films with tunable hierarchical structures and stimuli-responsive properties. <i>Advanced Materials</i> , 2010 , 22, 3303-6	24	20
138	Basic Catalyzed Synthesis of Hybrid Sol-Gel Materials Based on 3-Glycidoxypropyltrimethoxysilane. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 303-306	2.3	20
137	Fullerenes in Sol-Gel Materials. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 22, 189-204	2.3	20
136	Methyltriethoxysilane-derived sol-gel coatings doped with silver metal particles. <i>Journal of Sol-Gel Science and Technology</i> , 1994 , 3, 229-233	2.3	20
135	Cerium dioxide nanoparticles did not alter the functional and morphologic characteristics of ram sperm during short-term exposure. <i>Theriogenology</i> , 2016 , 85, 1274-81.e3	2.8	19
134	Smart tailoring of the surface chemistry in GPTMS hybrid organic/organic films. <i>New Journal of Chemistry</i> , 2014 , 38, 1635-1640	3.6	19
133	Densification of sol-gel silica thin films induced by hard X-rays generated by synchrotron radiation. <i>Journal of Synchrotron Radiation</i> , 2011 , 18, 280-6	2.4	19
132	Correlative Analysis of the Crystallization of Sol-Gel Dense and Mesoporous Anatase Titania Films. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 22385-22391	3.8	19
131	Self-Assembly of Shape Controlled Hierarchical Porous Thin Films: Mesopores and Nanoboxes. <i>Chemistry of Materials</i> , 2009 , 21, 4846-4850	9.6	19
130	Deep X-ray Lithography for Direct Patterning of PECVD Films. <i>Plasma Processes and Polymers</i> , 2010 , 7, 459-465	3.4	19

129	Hydroxylated boron nitride materials: from structures to functional applications. <i>Journal of Materials Science</i> , 2021 , 56, 4053-4079	4.3	19
128	A MOF-based carrier for dopamine delivery.. <i>RSC Advances</i> , 2018 , 8, 25664-25672	3.7	18
127	Combining top-down and bottom-up routes for fabrication of mesoporous titania films containing ceria nanoparticles for free radical scavenging. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3168-75	9.5	18
126	Release of ceria nanoparticles grafted on hybrid organic-inorganic films for biomedical application. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3916-22	9.5	18
125	From 2-D to 0-D Boron Nitride Materials, The Next Challenge. <i>Materials</i> , 2019 , 12,	3.5	18
124	Controlling the Processing of Mesoporous Titania Films by in Situ FTIR Spectroscopy: Getting Crystalline Micelles into the Mesopores. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10806-10811	3.8	17
123	Improving the Selective Efficiency of Graphene-Mediated Enhanced Raman Scattering through Molecular Imprinting. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34098-34107	9.5	17
122	Sol-Gel Chemistry for Carbon Dots. <i>Chemical Record</i> , 2018 , 18, 1192-1202	6.6	16
121	Enhanced Photocatalytic Activity in Low-Temperature Processed Titania Mesoporous Films. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12000-12009	3.8	16
120	Hybrid Organic/Inorganic Mesostructured Membranes: Interfaces and Organization at Different Length Scales. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11730-11740	3.8	16
119	Water evaporation studied by in situ time-resolved infrared spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 2745-9	2.8	16
118	Time Resolved IR and X-Ray Simultaneous Spectroscopy: New Opportunities for the Analysis of Fast Chemical-Physical Phenomena in Materials Science. <i>Acta Physica Polonica A</i> , 2009 , 115, 489-500	0.6	16
117	Structural evolution during evaporation of a 3-glycidoxypropyltrimethoxysilane film studied in situ by time resolved infrared spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 10438-44	2.8	15
116	Innovative composite films of chitosan, methylcellulose, and nanoparticles. <i>Journal of Food Science</i> , 2011 , 76, N54-60	3.4	15
115	X-rays to study, induce, and pattern structures in sol-gel materials. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 57, 236-244	2.3	15
114	Polypeptide binding to mesostructured titania films. <i>Microporous and Mesoporous Materials</i> , 2011 , 142, 1-6	5.3	15
113	Stain effects studied by time-resolved infrared imaging. <i>Analytical Chemistry</i> , 2009 , 81, 551-6	7.8	15
112	Perspectives in ¹ H, ¹⁴ N and ⁸¹ Br solid-state NMR studies of interfaces in materials textured by self-assembled amphiphiles. <i>Comptes Rendus Chimie</i> , 2010 , 13, 431-442	2.7	15

111	In-situ study of sol-gel processing by time-resolved infrared spectroscopy. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 48, 253-259	2.3	15
110	Hybrid organic-inorganic materials containing poled zwitterionic push-pull chromophores. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1853-1856	6	15
109	Entrapping of Push-Pull Zwitterionic Chromophores in Hybrid Matrices for Photonic Applications. <i>Journal of Sol-Gel Science and Technology</i> , 2003 , 26, 967-970	2.3	15
108	Boron oxynitride two-colour fluorescent dots and their incorporation in a hybrid organic-inorganic film. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 398-406	9.3	15
107	Cerium oxide nanoparticles (CeO NPs) improve the developmental competence of in vitro-matured prepubertal ovine oocytes. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1046-1056	1.8	14
106	Introducing Ti-GERS: Raman Scattering Enhancement in Graphene-Mesoporous Titania Films. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3149-3154	6.4	14
105	IR and X-ray time-resolved simultaneous experiments: an opportunity to investigate the dynamics of complex systems and non-equilibrium phenomena using third-generation synchrotron radiation sources. <i>Journal of Synchrotron Radiation</i> , 2012 , 19, 892-904	2.4	14
104	Formation of cerium titanate, CeTi ₂ O ₆ , in sol-gel films studied by XRD and FAR infrared spectroscopy. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 52, 356-361	2.3	14
103	Borosilicate coatings on mild steel prepared from aqueous amine solutions: A comparison with the alkoxide routes. <i>Journal of the European Ceramic Society</i> , 1995 , 15, 337-342	6	14
102	Mesoporous materials as platforms for surface-enhanced Raman scattering. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 114, 233-241	14.6	13
101	Ferrates for water remediation. <i>Reviews in Environmental Science and Biotechnology</i> , 2017 , 16, 15-35	13.9	13
100	Formation of Monoclinic Hafnium Titanate Thin Films Via the Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 2112-2116	3.8	13
99	Modulating the Optical Properties of Citrazinic Acid through the Monomer-to-Dimer Transformation. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 197-203	2.8	13
98	Sol-to-Gel Transition in Fast Evaporating Systems Observed by in Situ Time-Resolved Infrared Spectroscopy. <i>ChemPhysChem</i> , 2015 , 16, 1933-9	3.2	12
97	Anomalous Optical Properties of Citrazinic Acid under Extreme pH Conditions. <i>ACS Omega</i> , 2020 , 5, 10958-10964	5.9	12
96	Microfabrication of mesoporous silica encapsulated enzymes using deep X-ray lithography. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16191		12
95	A high volume and low damage route to hydroxyl functionalization of carbon nanotubes using hard X-ray lithography. <i>Carbon</i> , 2013 , 51, 430-434	10.4	12
94	Simultaneous microfabrication and tuning of the permselective properties in microporous polymers using X-ray lithography. <i>Small</i> , 2013 , 9, 2277-82	11	12

93	Poled sol-gel materials doped with heterocycle-based push-pull chromophores with second-order optical non-linearity. <i>Journal of Non-Crystalline Solids</i> , 2004 , 345-346, 575-579	3.9	12
92	Fullerene Derivatives Embedded in Hybrid Sol-Gel Glasses: Nonlinear Optical Properties and Optical Limiting Performances. <i>Journal of Sol-Gel Science and Technology</i> , 2001 , 22, 245-253	2.3	12
91	Graphene Oxide-Silver Nanoparticles in Molecularly-Imprinted Hybrid Films Enabling SERS Selective Sensing. <i>Materials</i> , 2018 , 11,	3.5	12
90	Carbon dots in ZnO macroporous films with controlled photoluminescence through defects engineering. <i>RSC Advances</i> , 2016 , 6, 55393-55400	3.7	11
89	Application of terahertz spectroscopy to time-dependent chemical-physical phenomena. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 9418-23	2.8	11
88	Strain-driven self-rolling of hybrid organic-inorganic microrolls: interfaces with self-assembled particles. <i>NPG Asia Materials</i> , 2012 , 4, e22-e22	10.3	11
87	Photocurable silica hybrid organic-inorganic films for photonic applications. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 44, 59-64	2.3	11
86	Blue-emitting mesoporous films prepared via incorporation of luminescent Schiff base zinc(II) complex. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 47, 283-289	2.3	11
85	IKNO, a user facility for coherent terahertz and UV synchrotron radiation. <i>Journal of Synchrotron Radiation</i> , 2008 , 15, 655-9	2.4	11
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