

Douglas A Loy

List of Publications by Year in descending order

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8,044
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71102

41
h-index

48315

88
g-index

136
all docs

136
docs citations

136
times ranked

6187
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridged Polysilsesquioxanes. Highly Porous Hybrid Organic-Inorganic Materials. <i>Chemical Reviews</i> , 1995, 95, 1431-1442.	47.7	976
2	Tailored Porous Materials. <i>Chemistry of Materials</i> , 1999, 11, 2633-2656.	6.7	714
3	Bridged Polysilsesquioxanes. Molecular-Engineered Hybrid Organic-Inorganic Materials. <i>Chemistry of Materials</i> , 2001, 13, 3306-3319.	6.7	523
4	Evaporation-Induced Self-Assembly of Hybrid Bridged Silsesquioxane Film and Particulate Mesophases with Integral Organic Functionality. <i>Journal of the American Chemical Society</i> , 2000, 122, 5258-5261.	13.7	475
5	Arylsilsesquioxane gels and related materials. New hybrids of organic and inorganic networks. <i>Journal of the American Chemical Society</i> , 1992, 114, 6700-6710.	13.7	466
6	Ionomeric Poly(phenylene) Prepared by Diels-Alder Polymerization: A Synthesis and Physical Properties of a Novel Polyelectrolyte. <i>Macromolecules</i> , 2005, 38, 5010-5016.	4.8	298
7	Substituent Effects on the Sol-Gel Chemistry of Organotrialkoxysilanes. <i>Chemistry of Materials</i> , 2000, 12, 3624-3632.	6.7	292
8	Sol-gel strategies for controlled porosity inorganic materials. <i>Journal of Membrane Science</i> , 1994, 94, 85-102.	8.2	249
9	Organic "template" approach to molecular sieving silica membranes. <i>Journal of Membrane Science</i> , 1995, 105, 273-279.	8.2	215
10	Pressure dependence of the orientational ordering in solid C ₆₀ . <i>Physical Review Letters</i> , 1991, 67, 3136-3139.	7.8	162
11	Intercalation of molecular species into the interstitial sites of fullerene. <i>Journal of Materials Research</i> , 1992, 7, 2136-2143.	2.6	160
12	Synthesis of a fullerene C ₆₀ -p-xylylene copolymer. <i>Journal of the American Chemical Society</i> , 1992, 114, 3977-3978.	13.7	153
13	Aryl-bridged polysilsesquioxanes--new microporous materials. <i>Chemistry of Materials</i> , 1989, 1, 572-574.	6.7	147
14	A Mechanistic Investigation of Gelation. The Sol-Gel Polymerization of Precursors to Bridged Polysilsesquioxanes. <i>Accounts of Chemical Research</i> , 2001, 34, 707-716.	15.6	120
15	Effects of pressure and ambient species on the orientational ordering in solid C ₆₀ . <i>Physical Review B</i> , 1993, 47, 4756-4764.	3.2	112
16	Direct Formation of Aerogels by Sol-Gel Polymerizations of Alkoxysilanes in Supercritical Carbon Dioxide. <i>Chemistry of Materials</i> , 1997, 9, 2264-2268.	6.7	108
17	Alkylene-bridged polysilsesquioxane aerogels: highly porous hybrid organic-inorganic materials. <i>Journal of Non-Crystalline Solids</i> , 1995, 186, 44-53.	3.1	105
18	Removable foams based on an epoxy resin incorporating reversible Diels-Alder adducts. <i>Journal of Applied Polymer Science</i> , 2002, 85, 1496-1502.	2.6	105

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19	Solâˆ“Gel Synthesis of Hybrid Organicâˆ“Inorganic Materials. Hexylene- and Phenylene-Bridged Polysiloxanes. <i>Chemistry of Materials</i> , 1996, 8, 656-663.	6.7	100
20	Mechanically reinforced silica aerogel nanocomposites via surface initiated atom transfer radical polymerizations. <i>Journal of Materials Chemistry</i> , 2010, 20, 6863.	6.7	99
21	Strong, Low-Density Nanocomposites by Chemical Vapor Deposition and Polymerization of Cyanoacrylates on Aminated Silica Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1364-1369.	8.0	94
22	Amorphous silica molecular sieving membranes by sol-gel processing. <i>Advanced Materials</i> , 1996, 8, 588-591.	21.0	87
23	Photodeformable Spherical Hybrid Nanoparticles. <i>Journal of the American Chemical Society</i> , 2006, 128, 14250-14251.	13.7	87
24	Encapsulation of Gold Nanoclusters in Silica Materials via an Inverse Micelle/Solâˆ“Gel Synthesis. <i>Chemistry of Materials</i> , 1997, 9, 423-429.	6.7	81
25	Solid Phase Immobilization of Optically Responsive Liposomes in Sol-Gel Materials for Chemical and Biological Sensing. <i>Langmuir</i> , 1997, 13, 5049-5053.	3.5	79
26	Hierarchical Mesoporous Carbon/Silica Nanocomposites from Phenyl-Bridged Organosilane. <i>Advanced Materials</i> , 2005, 17, 704-707.	21.0	79
27	Thermally Cleavable Surfactants Based on Furanâˆ“Maleimide Dielsâˆ“Alder Adducts. <i>Langmuir</i> , 2005, 21, 3259-3266.	3.5	75
28	Cyclization Phenomena in the Solâˆ“Gel Polymerization of $\hat{\pm}$, $\hat{\text{I}}\%$ -Bis(triethoxysilyl)alkanes and Incorporation of the Cyclic Structures into Network Silsesquioxane Polymers. <i>Journal of the American Chemical Society</i> , 1999, 121, 5413-5425.	13.7	72
29	Hydrolysis and Esterification in Organically Modified Alkoxysilanes: A ^{29}Si NMR Investigation of Methyltrimethoxysilaneâ€“. <i>Chemistry of Materials</i> , 1996, 8, 2366-2374.	6.7	69
30	Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11409-11412.	13.8	66
31	Bridged Polysilses-quioxanes: Molecular Engineering of Hybrid Organicâ€“Inorganic Materials. <i>MRS Bulletin</i> , 2001, 26, 368-376.	3.5	65
32	Enhancing mechanical properties of silica aerogels. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 3435-3441.	3.1	64
33	Hybrid Organicâ€“Inorganic Materials. <i>MRS Bulletin</i> , 2001, 26, 364-367.	3.5	63
34	Preparation, characterization and antioxidant properties of curcumin encapsulated chitosan/lignosulfonate micelles. <i>Carbohydrate Polymers</i> , 2022, 281, 119080.	10.2	63
35	Influence of Global and Local Membrane Curvature on Mechanosensitive Ion Channels: A Finite Element Approach. <i>Membranes</i> , 2016, 6, 14.	3.0	58
36	Arylene- and alkylene-bridged polysilsesquioxanes. <i>Journal of Non-Crystalline Solids</i> , 1993, 160, 234-246.	3.1	57

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37	New Hybrid Organic/Inorganic Polysilsesquioxaneâ€“Silica Particles as Sunscreens. ACS Applied Materials & Interfaces, 2016, 8, 3160-3174.	8.0	56
38	Polyaniline nanofiberâ€“silica composite aerogels. Journal of Non-Crystalline Solids, 2012, 358, 1575-1580.	3.1	55
39	Hybrid Polyelectrolyte Materials for Fuel Cell Applications:Â Design, Synthesis, and Evaluation of Proton-Conducting Bridged Polysilsesquioxanes. Chemistry of Materials, 2006, 18, 3665-3673.	6.7	50
40	Photoresponsive Hybrid Materials: Synthesis and Characterization of Coumarin-Dimer-Bridged Polysilsesquioxanes. Chemistry of Materials, 2008, 20, 1870-1876.	6.7	50
41	Formation of Polycyanoacrylateâ”Silica Nanocomposites by Chemical Vapor Deposition of Cyanoacrylates on Aerogels. Chemistry of Materials, 2008, 20, 2845-2847.	6.7	49
42	Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. Angewandte Chemie - International Edition, 2021, 60, 22900-22907.	13.8	44
43	Structure of Arylene-Bridged Polysilsesquioxane Xerogels and Aerogels. Chemistry of Materials, 2004, 16, 1402-1410.	6.7	40
44	Facile sol-gel coating process for anti-biofouling modification of poly (vinylidene fluoride) microfiltration membrane based on novel zwitterionic organosilica. Journal of Membrane Science, 2018, 550, 266-277.	8.2	37
45	Polymerization of Bis(triethoxysilyl)ethenes. Impact of Substitution Geometry on the Formation of Ethenylene- and Vinylidene-Bridged Polysilsesquioxanes. Chemistry of Materials, 1998, 10, 4129-4140.	6.7	36
46	Three-dimensional printing of glass micro-optics. Optica, 2021, 8, 904.	9.3	35
47	On the â€œorthorhombic form of C60â€•molecular crystals containing CS2. Physica C: Superconductivity and Its Applications, 1991, 184, 21-23.	1.2	34
48	Intramolecular Condensation Reactions of $\hat{1}\pm, \hat{1}\%$ -Bis(triethoxysilyl)alkanes. Formation of Cyclic Disilsesquioxanes. Journal of the American Chemical Society, 1996, 118, 8501-8502.	13.7	34
49	Effect of pH on the Gelation Time of Hexylene-Bridged Polysilsesquioxanes. Chemistry of Materials, 2004, 16, 2041-2043.	6.7	34
50	Dialkylene Carbonate-Bridged Polysilsesquioxanes. Hybrid Organicâ”Inorganic Solâ”Gels with a Thermally Labile Bridging Group. Chemistry of Materials, 1999, 11, 3333-3341.	6.7	33
51	UV Fluorescent Epoxy Adhesives from Noncovalent and Covalent Incorporation of Coumarin Dyes. ACS Applied Materials & Interfaces, 2017, 9, 10061-10068.	8.0	30
52	Negative pressure effects in high-pressure oxygen-intercalatedC60. Physical Review B, 1995, 51, 15552-15554.	3.2	25
53	Strong, low density, hexylene- and phenylene-bridged polysilsesquioxane aerogelâ€“polycyanoacrylate composites. Journal of Materials Science, 2011, 46, 6371-6377.	3.7	25
54	Processing, Morphology, and Water Uptake of Nafion/Ex situ StÃ¼ber Silica Nanocomposite Membranes As a Function of Particle Size. ACS Applied Materials & Interfaces, 2012, 4, 6766-6773.	8.0	22

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55	Mechanisms of Competitive Adsorption Organic Pollutants on Hexylene-Bridged Polysilsesquioxane. <i>Materials</i> , 2015, 8, 5806-5817.	2.9	22
56	Mechanical properties of hexylene- and phenylene-bridged polysilsesquioxane aerogels and xerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 61, 144-150.	2.4	21
57	Condensed aryl-bridged siliconates. New ladder and network ionomers. <i>Chemistry of Materials</i> , 1992, 4, 255-258.	6.7	20
58	Titanium oxide sol-gel films with tunable refractive index. <i>Optical Materials Express</i> , 2011, 1, 252.	3.0	20
59	Arylene- and alkylene-bridged siliconates. <i>Organometallics</i> , 1993, 12, 1484-1488.	2.3	18
60	Proton Conductivity of Nafion/Ex-Situ Sulfonic Acid-Modified Stober Silica Nanocomposite Membranes As a Function of Temperature, Silica Particles Size and Surface Modification. <i>Membranes</i> , 2016, 6, 12.	3.0	18
61	Preparation of Aryl-Bridged Polysilsesquioxane Aerogels. <i>Materials Research Society Symposia Proceedings</i> , 1992, 271, 699.	0.1	17
62	Cycloaddition of Phosphaalkynes to High-Oxidation-State Metal Alkylidenes: Synthesis and Characterization of a Unique Phosphametallacyclobutene via an Alkoxide Ligand Shift. <i>Organometallics</i> , 1996, 15, 16-18.	2.3	16
63	Identification and Characterization of the Hydrolysis Products in TMOS and MTMS Monomers Using ²⁹ Si NMR and Polarization Transfer Techniques. <i>Magnetic Resonance in Chemistry</i> , 1996, 34, 603-609.	1.9	16
64	A Parallel Colorimetric Method for the Rapid Discovery and Optimization of Heterogeneous Hydrodesulfurization Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 9920-9921.	13.7	16
65	Modification of a Phenolic Resin with Epoxy- and Methacrylate-Functionalized Silica Sols to Improve the Ablation Resistance of Their Glass Fiber-Reinforced Composites. <i>Polymers</i> , 2014, 6, 105-113.	4.5	16
66	High-Precision Printing of Complex Glass Imaging Optics with Precondensed Liquid Silica Resin. <i>Advanced Science</i> , 2022, 9, e2105595.	11.2	16
67	Influence of the alkoxide group, solvent, catalyst, and concentration on the gelation and porosity of hexylene-bridged polysilsesquioxanes. <i>Journal of Non-Crystalline Solids</i> , 2013, 362, 82-94.	3.1	15
68	Phenylene-Bridged Cyclic Siloxanes as Precursors to Nonshrinking Sol-Gel Systems and Their Use as Encapsulants. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 555-557.	13.8	14
69	Investigation of the transmission of substituent effects by ²⁹ Si NMR. <i>Perkin Transactions II RSC</i> , 2000, , 545-549.	1.1	14
70	Mesoscopically ordered organosilica and carbon-silica hybrids with uniform morphology by surfactant-assisted self-assembly of organo bis-silanetriols. <i>Chemical Communications</i> , 2006, , 1545.	4.1	14
71	Comparison of new periodic, mesoporous, hexylene-bridged polysilsesquioxanes with Pm3n symmetry versus sol-gel polymerized, hexylene-bridged gels. <i>Journal of Non-Crystalline Solids</i> , 2014, 406, 139-143.	3.1	14
72	Proton conductivity of Nafion/ex situ Stober silica nanocomposite membranes as a function of silica particle size and temperature. <i>Journal of Materials Science</i> , 2014, 49, 1566-1573.	3.7	14

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73	Effects of fructooligosaccharide and soybean protein isolate in the microencapsulation of walnut oil. <i>Industrial Crops and Products</i> , 2022, 177, 114431.	5.2	14
74	Isolation and Characterization of the Molybdenum Alkylidyne Complex [(F3C)Me2CO]2Mo(C-t-Bu)[N(Ar)PC(H)(CMe2Ph)] and Its Conversion to a Phosphamolybdacyclobutene. <i>Organometallics</i> , 1996, 15, 3244-3246.	2.3	13
75	Engineering the macrostructure of thermally induced phase separated polysilane foams. <i>Journal of Polymer Science Part A</i> , 1996, 34, 1623-1627.	2.3	13
76	Strengthening silica aerogels with surface initiated ATRP cross-linked poly(methyl methacrylate). <i>Journal of Non-Crystalline Solids</i> , 2015, 427, 114-119.	3.1	13
77	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. <i>Journal of Polymer Science</i> , 2020, 58, 35-41.	3.8	12
78	Aryl-Bridged Polysilsesquioxanes - New Microporous Materials.. <i>Materials Research Society Symposia Proceedings</i> , 1990, 180, 975.	0.1	11
79	Characterization of Poly(xylylenes) with Solid-State 13C Nuclear Magnetic Resonance Spectroscopy. <i>Macromolecules</i> , 1995, 28, 5799-5803.	4.8	11
80	Controlling nanostructure in periodic mesoporous hexylene-bridged polysilsesquioxanes. <i>Journal of Non-Crystalline Solids</i> , 2015, 419, 6-11.	3.1	11
81	Direct foaming driven synthesis and thermophysical characterization of silica-alumina foams: Applications for thermal insulation. <i>Ceramics International</i> , 2020, 46, 10431-10441.	4.8	11
82	Spontaneous polymerization of phenylphosphaethyne. <i>Journal of Polymer Science Part A</i> , 1999, 37, 129-133.	2.3	10
83	Highly sulfonated polyelectrolytes through friedel-crafts sulfonylation of polyarylenes. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1381-1384.	2.3	10
84	Influence of alkylene-bridging group length on mesostructure and porosity in cubic (Pm3n) periodic mesoporous bridged polysilsesquioxanes. <i>Journal of Porous Materials</i> , 2014, 21, 39-44.	2.6	10
85	Engineering of Porosity in Amorphous Materials. Plasma Oxidation of Hydrocarbon Templates in Polysilsesquioxanes*. <i>Materials Research Society Symposia Proceedings</i> , 1994, 346, 825.	0.1	8
86	Computer-aided structure elucidation for arylene-bridged polysilsesquioxanes. <i>Computational Materials Science</i> , 1995, 3, 334-346.	3.0	8
87	Origin of Porosity in Arylene-Bridged Polysilsesquioxanes. <i>Materials Research Society Symposia Proceedings</i> , 1996, 435, 301.	0.1	8
88	Transforming Polybutadiene with Tetrazine Click Chemistry into Antioxidant Foams That Fluoresce with Oxidation. <i>Chemistry of Materials</i> , 2017, 29, 7953-7960.	6.7	8
89	Dialkylencarbonate-Bridged Polysilsesquioxanes: Hybrid Organic-Inorganic Sol-Gels with a Thermally Labile Bridging Group. <i>Materials Research Society Symposia Proceedings</i> , 1999, 576, 99.	0.1	7
90	Nonshrinking, Photopolymerizable Polycarbosiloxanes through Ring-Opening Polymerization of Disilaoxacyclopentane Monomers. <i>Chemistry of Materials</i> , 2005, 17, 1529-1534.	6.7	7

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91	Metathesis Depolymerization for Removable Surfactant Templates. <i>Langmuir</i> , 2005, 21, 9365-9373.	3.5	7
92	Hybrid Organic–Inorganic Membranes on Porous Supports by Size Exclusion and Thermal Sintering of Fluorescent Polyphenylsilsesquioxane Nanoparticles. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 715-721.	3.6	7
93	Comparison of the Filtration Efficiency of Different Face Masks Against Aerosols. <i>Frontiers in Medicine</i> , 2021, 8, 654317.	2.6	7
94	Bridged polygermsesquioxanes. Organically modified germanium oxide materials. <i>Chemistry of Materials</i> , 1993, 5, 1193-1195.	6.7	6
95	Environmentally Friendly Polysilane Photoresists. <i>ACS Symposium Series</i> , 1995, , 355-366.	0.5	6
96	Hybrid organic–inorganic membranes from size exclusion deposition of fluorescent, octylene-bridged polysilsesquioxane particles. <i>Journal of Non-Crystalline Solids</i> , 2014, 403, 88-96.	3.1	6
97	Non-hydrolytic formation of silica and polysilsesquioxane particles from alkoxysilane monomers with formic acid in toluene/tetrahydrofuran solutions. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	6
98	Methylene-bridged polysilsesquioxanes: substitution of a methylene spacer within a silicate matrix. <i>Journal of Materials Science</i> , 2014, 49, 5006-5016.	3.7	6
99	Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. <i>Angewandte Chemie</i> , 2021, 133, 23082.	2.0	6
100	Double Phosphaalkyne Insertion to a Tungsten Alkylidene:â€‰ Formation of a Diphosphametallacyclobutane. <i>Organometallics</i> , 2005, 24, 2245-2247.	2.3	5
101	2,2â€²â€²,3,3â€²â€²,4,4â€²â€²,5,5â€²â€²-Octaphenyl-1,1â€²:4â€²,1â€²:â€²-terphenyl and 2â€²,3â€²,5â€²,6â€²-tetrafluoro-2,2â€²â€²,3,3â€²â€²,4,4â€²â€²,5,5â€²â€²-octaphenyl-1,1â€²:4â€²,1â€²:â€²-terphenyl. <i>Acta Crystallographica B</i> , 2012, 68, o23-o27.		
102	Asymmetric membranes by wet phase inversion of phenylated polyphenylene. <i>Journal of Applied Polymer Science</i> , 2013, 128, 750-753.	2.6	5
103	Fluorescent hybrid organic–inorganic particles: influence of physical encapsulation versus covalent attachment on leaching and UV stability. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 785-792.	1.1	4
104	An Nmr Study of the Occupation of C60 Interstitial Sites by Oxygen Molecules. <i>Materials Research Society Symposia Proceedings</i> , 1992, 270, 255.	0.1	3
105	Maleimide Functionalized Siloxane Resins. <i>Materials Research Society Symposia Proceedings</i> , 1999, 576, 15.	0.1	3
106	Soluble, High Molecular Weight Polysilsesquioxanes with Carboxylate Functionalities. <i>Macromolecules</i> , 2002, 35, 2452-2454.	4.8	3
107	Sol–Gel Processing of Hybrid Organic–Inorganic Materials Based on Polysilsesquioxanes. , 0, , 225-254.		3
108	Enhancement Corrosion Resistance of (Î³-Glycidyloxypropyl)-Silsesquioxane-Titanium Dioxide Films and Its Validation by Gas Molecule Diffusion Coefficients Using Molecular Dynamics (MD) Simulation. <i>Polymers</i> , 2014, 6, 300-310.	4.5	3

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109	Computational and experimental determinations of the UV adsorption of polyvinylsilsesquioxane-silica and titanium dioxide hybrids. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 651-657.	0.6	3
110	Photochemical strengthening of silica aerogels modified with coumarin groups. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 189-195.	3.1	3
111	Sol-Gel Polymerization of Tetraalkoxygermanium and Organotrialkoxygermanium Monomers. <i>Materials Research Society Symposia Proceedings</i> , 1996, 431, 323.	0.1	2
112	Controlling Porosity in Bridged Polysilsesquioxanes through Elimination Reactions. <i>Materials Research Society Symposia Proceedings</i> , 1996, 435, 277.	0.1	2
113	Intramolecular Condensation Reactions of $\hat{\pm}$, $\hat{\%}$ -BIS(Triethoxysilyl) Alkanes. Formation of Cyclic disilsesquioxanes. <i>Materials Research Society Symposia Proceedings</i> , 1996, 435, 33.	0.1	2
114	Sol-Gel Chemistry by Ring-Opening Polymerization. <i>Materials Research Society Symposia Proceedings</i> , 1999, 576, 63.	0.1	2
115	Synthesis and Characterization of Semi-Fluorinated Polyarylene Copolymers. <i>ACS Symposium Series</i> , 2012, , 29-46.	0.5	2
116	Hypervalent Siliconate Materials. Synthesis and Characterization of Novel Ladder and Network Ionomers. <i>Materials Research Society Symposia Proceedings</i> , 1992, 271, 711.	0.1	1
117	Porosity in Polysilsesquioxane Xerogels. <i>Materials Research Society Symposia Proceedings</i> , 1999, 576, 105.	0.1	1
118	Soluble, High Molecular Weight Polysilsesquioxanes with Carboxylate Functionalities. <i>Materials Research Society Symposia Proceedings</i> , 2002, 726, 1.	0.1	1
119	Evolution of Porosity and Morphology in Alkylene-Bridged Polysilsesquioxane Xerogels as a Function of Gel Aging Time. <i>Materials Research Society Symposia Proceedings</i> , 2004, 847, 65.	0.1	1
120	Polymer-Silica Nanocomposite Aerogels with Enhanced Mechanical Properties Using Chemical Vapor Deposition (CVD) of Cyanoacrylates. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1007, 1.	0.1	1
121	Preparation of Platinum Catalyst on Silver Membranes for PEMFC with Green Electroless Deposition. <i>ECS Transactions</i> , 2009, 25, 1345-1352.	0.5	1
122	Titelbild: Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials (<i>Angew. Chem.</i> 48/2011). <i>Angewandte Chemie</i> , 2011, 123, 11459-11459.	2.0	1
123	Sol-Gel Chemistry of Trialkoxysilanes. <i>Materials Research Society Symposia Proceedings</i> , 2000, 628, 1.	0.1	1
124	Mesoporous Polysilsesquioxanes: Preparation, Properties, and Applications. , 2016, , 1-35.		1
125	Synthesis of AC60-Para-Xylylene Copolymer. <i>Materials Research Society Symposia Proceedings</i> , 1992, 247, 355.	0.1	0
126	Hydrocarbon-Bridged Polysiloxane and Polysilsesquioxane Network Materials.. <i>Materials Research Society Symposia Proceedings</i> , 1994, 346, 487.	0.1	0

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127	Polysilsesquioxanes Through Base-Catalyzed Redistribution of Oligohydrosiloxanes. Materials Research Society Symposia Proceedings, 2000, 628, 1.	0.1	0
128	COLLAPSE OF POROSITY DURING DRYING OF ALKYLENE-BRIDGED POLYSILSESQUIOXANE GELS. INFLUENCE OF THE BRIDGING GROUP LENGTH. Materials Research Society Symposia Proceedings, 2004, 847, 531.	0.1	0
129	Cover Picture: Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials (Angew. Chem. Int. Ed. 48/2011). Angewandte Chemie - International Edition, 2011, 50, 11263-11263.	13.8	0
130	Micro-Fluidic Assisted Passive Direct Methanol Fuel Cells. , 2012, , .		0
131	Mesoporous Polysilsesquioxanes: Preparation, Properties, and Applications. , 2018, , 3177-3211.		0
132	Solventless Sol-Gel Chemistry Through Ring-Opening Polymerization of Bridged Disiloxacyclopentanes. Materials Research Society Symposia Proceedings, 2000, 628, 1.	0.1	0
133	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. Journal of Polymer Science, 2020, 58, 35-41.	3.8	0