

# Siamak Motahari

## List of Publications by Year in descending order

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46  
papers

862  
citations

471371  
17  
h-index

526166  
27  
g-index

46  
all docs

46  
docs citations

46  
times ranked

967  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiber Reinforcement of DCPD-Modified Sulfur Mortar. Journal of Materials in Civil Engineering, 2014, 26, 1-5.	1.3	77
2	Effects of processing conditions on silica aerogel during aging: Role of solvent, time and temperature. Journal of Non-Crystalline Solids, 2013, 379, 7-11.	1.5	73
3	Sol-gel derived flexible silica aerogel as selective adsorbent for water decontamination from crude oil. Marine Pollution Bulletin, 2018, 129, 438-447.	2.3	57
4	Fibre Prestressed Composites: Improvement of Flexural Properties through Fibre Prestressing. Journal of Reinforced Plastics and Composites, 1999, 18, 279-288.	1.6	39
5	Mechanical, thermal, and hydrophobic properties of silica aerogel-epoxy composites. Journal of Applied Polymer Science, 2018, 135, 45706.	1.3	37
6	Impact Strength of Fiber Pre-Stressed Composites. Journal of Reinforced Plastics and Composites, 1998, 17, 123-130.	1.6	36
7	Thermal and Flammability Properties of Polypropylene/Silica Aerogel Composites. Journal of Macromolecular Science - Physics, 2015, 54, 1081-1091.	0.4	36
8	Synthesis, characterization and dielectric properties of one-step pyrolyzed / activated resorcinol-formaldehyde based carbon aerogels for electromagnetic interference shielding applications. Materials Chemistry and Physics, 2018, 213, 492-501.	2.0	33
9	Investigation of operation parameters on the removal efficiency of methyl orange pollutant by cellulose/zinc oxide hybrid aerogel. Chemosphere, 2021, 284, 131320.	4.2	32
10	Preparation and characterization of polyurethane/silica aerogel nanocomposite materials. Journal of Applied Polymer Science, 2017, 134, .	1.3	29
11	A study of rigid polyurethane foams: The effect of synthesized polyols and nanoporous graphene. Journal of Applied Polymer Science, 2017, 134, .	1.3	28
12	Improvement of thermal and fire properties of polypropylene. Journal of Applied Polymer Science, 2008, 110, 2971-2979.	1.3	25
13	Mechanical properties of isocyanate crosslinked resorcinol formaldehyde aerogels. Journal of Non-Crystalline Solids, 2018, 481, 548-555.	1.5	24
14	Thermal, mechanical, and acoustic properties of silica-aerogel/UPVC composites. Journal of Applied Polymer Science, 2017, 134, .	1.3	23
15	Effect of water content on properties of one-step catalyzed silica aerogels via ambient pressure drying. Journal of Non-Crystalline Solids, 2014, 405, 135-140.	1.5	20
16	Investigation of the mechanical, thermal, and anticorrosion properties of epoxy nanocomposite coatings: Effect of synthetic hardener and nanoporous graphene. Journal of Applied Polymer Science, 2018, 135, 46201.	1.3	20
17	Silica-Aerogel Cotton Composites as Sound Absorber. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	18
18	Silica Aerogel-Glass Fiber Composites As Fire Shield for Steel Frame Structures. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	16

#	ARTICLE	IF	CITATIONS
19	Improvement of thermal properties of pigmented acrylic resin using silica aerogel. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45640.	1.3	16
20	Statistical analysis and optimization of photodegradation efficiency of methyl orange from aqueous solution using cellulose/zinc oxide hybrid aerogel by response surface methodology (RSM). <i>Arabian Journal of Chemistry</i> , 2021, 14, 103401.	2.3	15
21	Electromagnetic and microwave absorption characteristics of PMMA composites filled with a nanoporous resorcinol formaldehyde based carbon aerogel. <i>RSC Advances</i> , 2018, 8, 10855-10864.	1.7	14
22	Optimized mercapto-modified resorcinol formaldehyde xerogel for adsorption of lead and copper ions from aqueous solutions. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 88, 236-248.	1.1	14
23	Preparation and application of sunlight absorbing ultra-black carbon aerogel/graphene oxide membrane for solar steam generation systems. <i>RSC Advances</i> , 2020, 10, 41780-41790.	1.7	13
24	The Contribution to Residual Stress by Differential Resin Shrinkage. <i>Journal of Reinforced Plastics and Composites</i> , 1999, 18, 1011-1020.	1.6	12
25	Mechanical properties improvement of silica aerogel through aging: Role of solvent type, time and temperature. <i>AIP Conference Proceedings</i> , 2014, , .	0.3	12
26	Absorption of heavy metals using resorcinol formaldehyde aerogel modified with amine groups. <i>Desalination and Water Treatment</i> , 0, , 1-12.	1.0	12
27	Migration of organic compounds from PET/clay nanocomposites: influences of clay type, content and dispersion state. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 669-681.	1.3	11
28	A study on resorcinol formaldehyde carbon aerogel/epoxy nanocomposites: the effect of carbon aerogel pyrolysis time. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	11
29	Numerical Modeling for the Photocatalytic Degradation of Methyl Orange from Aqueous Solution using Cellulose/Zinc Oxide Hybrid Aerogel: Comparison with Experimental Data. <i>Topics in Catalysis</i> , 0, , 1.	1.3	10
30	Measurement of Micro-Residual Stresses in Fiber-Prestressed Composites. <i>Journal of Reinforced Plastics and Composites</i> , 1997, 16, 1129-1137.	1.6	9
31	Epoxidation of Ethylene Propylene Diene Monomer (EPDM) Rubber by Using In-Situ Generated Dimethyldioxirane (DMD) and MoO <sub>3</sub> . <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1205-1214.	1.2	9
32	Resorcinol formaldehyde xerogels modified with mercapto functional groups as mercury adsorbent. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	9
33	Graphite Nanosheet as Low Shrinkage Additive, Curing Accelerator, and Conducting Filler for Unsaturated Polyester Resin. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1231-1239.	1.9	9
34	Investigation of the Different Morphologies of Zinc Oxide (ZnO) in Cellulose/ZnO Hybrid Aerogel on the Photocatalytic Degradation Efficiency of Methyl Orange. <i>Topics in Catalysis</i> , 0, , 1.	1.3	9
35	Fabrication of binder-free electrode using reinforced resorcinol formaldehyde-based carbon aerogels. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	8
36	Effect of crosslinker molecular structure on mechanical and thermal properties of resorcinol formaldehyde aerogel. <i>Materials Research Express</i> , 2019, 6, 075059.	0.8	7

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37	Mechanical and thermal insulation properties of isocyanate crosslinked resorcinol formaldehyde aerogel: Effect of isocyanate structure. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48196.	1.3	6
38	The Effect of Foaming on the Electrical Conductivity of Thermoplastic/Carbon Composites Containing Nano and Micro Carbon Fillers in Compression and Injection Molding. <i>Frontiers in Forests and Global Change</i> , 2016, 35, 329-348.	0.6	5
39	An investigation into resorcinol formaldehyde carbon aerogel/epoxy coatings: Exploring mechanical properties, ultraviolet stability, and corrosion resistance. <i>Polymer Composites</i> , 2020, 41, 121-133.	2.3	5
40	Fabrication of silica aerogel and carbon-silica composite for dynamic adsorption of benzene from dry and wet gas streams. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 8091-8109.	1.8	5
41	Numerical Investigation and Experimental Observation of Extrudate Swell for Viscoelastic Polymer Melts. <i>International Polymer Processing</i> , 2014, 29, 227-232.	0.3	4
42	Prediction of branch on branch and topological characteristics of low-density polyethylene polymerization by a novel stochastic approach. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1067-1076.	1.6	4
43	Rational design of in situ modified resorcinol formaldehyde aerogels for removing chlortetracycline antibiotics from aqueous solutions. <i>Polymer Engineering and Science</i> , 0, , .	1.5	4
44	A New Monte Carlo Simulation of Low-Density-Polyethylene Polymerization for Prediction of its Microstructure as a Result of Various Process Conditions. <i>Journal of Macromolecular Science - Physics</i> , 2020, 59, 457-478.	0.4	3
45	Effect of adding crumb tire rubber particles on the mechanical properties of DCPD-modified sulfur polymer mortars. <i>Journal of Mechanics of Materials and Structures</i> , 2011, 6, 1283-1294.	0.4	2
46	Determination of molecular orientation using molecular dynamics for polymer melt flows in circular ducts. <i>Polymer Engineering and Science</i> , 2015, 55, 1196-1202.	1.5	1