Shaukat Saeed

List of Publications by Year
in descending order

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62	1,165	393982	414034
papers	citations	19 h-index	32 g-index

62	62	62	1580
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyamide 6/Multiwalled Carbon Nanotubes Nanocomposites with Modified Morphology and Thermal Properties. Polymers, 2013, 5, 1380-1391.	2.0	88
2	Effect of sonication conditions: Solvent, time, temperature and reactor type on the preparation of micron sized vermiculite particles. Ultrasonics Sonochemistry, 2014, 21, 1002-1009.	3.8	86
3	Polyamide-6-based composites reinforced with pristine or functionalized multi-walled carbon nanotubes produced using melt extrusion technique. Journal of Composite Materials, 2014, 48, 1197-1207.	1.2	64
4	Fabrication of pure and moxifloxacin functionalized silver oxide nanoparticles for photocatalytic and antimicrobial activity. Journal of Photochemistry and Photobiology B: Biology, 2018, 186, 116-124.	1.7	64
5	Thermal and mechanical properties of carbon nanotube/epoxy nanocomposites reinforced with pristine and functionalized multiwalled carbon nanotubes. Polymer Composites, 2015, 36, 1891-1898.	2.3	60
6	Synthesis and characterization of linear lowâ€density polyethylene/sepiolite nanocomposites. Journal of Applied Polymer Science, 2012, 123, 1718-1723.	1.3	58
7	Thermal and mechanical properties of SEBS-g-MA based inorganic composite materials. Journal of Materials Science, 2007, 42, 93-100.	1.7	50
8	Mechanical and thermal properties of polyimide/silica hybrids with imideâ€modified silica network structures. Journal of Applied Polymer Science, 2008, 107, 1257-1268.	1.3	42
9	Exploring resin viscosity effects in solventless processing of nano-SiO2/epoxy polymer hybrids. RSC Advances, 2013, 3, 3885.	1.7	38
10	Preparation, Characterization, and Enhanced Thermal and Mechanical Properties of Epoxy-Titania Composites. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	33
11	Synthesis of hierarchically porous silica aerogel supported Palladium catalyst for low-temperature CO oxidation under ignition/extinction conditions. Microporous and Mesoporous Materials, 2020, 292, 109758.	2.2	33
12	Shortened aerogel fabrication times using an ethanolâ€“water azeotrope as a gelation and drying solvent. Journal of Materials Chemistry A, 2015, 3, 762-772.	5.2	28
13	Rapid fabrication of cross-linked silica aerogel by laser induced gelation. Microporous and Mesoporous Materials, 2016, 221, 245-252.	2.2	28
14	Properties of Binary Polyimide Blends Containing Hexafluoroisopropylidene Group. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 55-63.	1.2	27
15	Preparation of transparent anodic alumina with ordered nanochannels by through-thickness anodic oxidation of aluminum sheet. Materials Chemistry and Physics, 2007, 104, 306-311.	2.0	26
16	Influence of chitosan and epoxy cross-linking on physical properties of binary blends. International Journal of Polymer Analysis and Characterization, 2016, 21, 163-174.	0.9	25
17	Fabrication of strong and ultra-lightweight silica-based aerogel materials with tailored properties. Journal of Porous Materials, 2018, 25, 511-520.	1.3	25
18	Laser induced instantaneous gelation: aerogels for 3D printing. Journal of Materials Chemistry A, 2015, 3, 17606-17611.	5.2	23

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19	The influence of temperature and interface strength on the microstructure and performance of solâ€“gel silicaâ€“epoxy nanocomposites. Polymer Bulletin, 2011, 67, 1539-1551.	1.7	21
20	Mechanical, thermal, and dielectric properties of functionalized graphene oxide/polyimide nanocomposite films. Nanomaterials and Nanotechnology, 2019, 9, 184798041882103.	1.2	20
21	Improving mechanical, thermal, and electrical properties of polyimide by incorporating vinyltriethoxysilane functionalized graphene oxide. Polymer Composites, 2018, 39, E1635.	2.3	18
22	Enhancing the dielectric properties of highly compatible new polyimide/Î³-ray irradiated MWCNT nanocomposites. RSC Advances, 2015, 5, 71183-71189.	1.7	16
23	Synthesis and characterization of novel sulfonated polyimide with varying chemical structure for fuel cell applications. Solid State Ionics, 2018, 319, 141-147.	1.3	16
24	Synthesis and characterization of gum arabic microgels stabilizing metal based nanocatalysts for ultrafast catalytic reduction of 4-nitrophenol at ambient conditions. Journal of Environmental Chemical Engineering, 2019, 7, 103280.	3.3	16
25	Chemically tethered functionalized graphene oxide based novel sulfonated polyimide composite for polymer electrolyte membrane. Journal of Polymer Research, 2019, 26, 1.	1.2	16
26	The Influence of Epoxy Functionalized Silica Nanoparticles on Stress Dispersion and Crack Resistance in Epoxyâ€“Based Hybrids. Materials Express, 2011, 1, 299-306.	0.2	14
27	Influence of silica derivatizer and monomer functionality andÂconcentration on the mechanical properties of rapid synthesis cross-linked aerogels. Microporous and Mesoporous Materials, 2015, 217, 244-252.	2.2	14
28	Structural characteristics and electrochemical properties of sulfonated polyimide clay-based composite fabricated by a solution casting method. Journal of Materials Science: Materials in Electronics, 2019, 30, 19164-19172.	1.1	13
29	An investigation of physico-chemical properties of a new polyimideâ€“silica composites. RSC Advances, 2014, 4, 46587-46594.	1.7	12
30	Augmenting thermal and mechanical properties of epoxy thermosets: The role of thermally-treated versus surface-modified TiO₂ nanoparticles. Materials Express, 2014, 4, 54-64.	0.2	12
31	Acacia Gum Hydrogels Embedding the In Situ Prepared Silver Nanoparticles; Synthesis, Characterization, and Catalytic Application. Catalysis Letters, 2021, 151, 1212-1223.	1.4	12
32	Microwave Assisted Preparation of Calcium Hydroxide and Barium Hydroxide Nanoparticles and Their Application for Conservation of Cultural Heritage. Lecture Notes in Computer Science, 2014, , 342-352.	1.0	12
33	Polyimide-silica Hybrids: Structural and Morphological Investigations. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 46, 152-162.	1.2	11
34	Effect of substrate biasing and temperature on AlN thin film deposited by cathodic arc ion. Materials Science in Semiconductor Processing, 2013, 16, 640-646.	1.9	11
35	Synthesis, characterization, and biological screening of metal nanoparticles loaded gum acacia microgels. Microscopy Research and Technique, 2021, 84, 1673-1684.	1.2	11
36	Preparation and characterization of novel polyimideâ€“silica hybrids. Polymers for Advanced Technologies, 2013, 24, 407-414.	1.6	10

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37	Fabrication of native silica, cross-linked, and hybrid aerogel monoliths with customized geometries. Translational Materials Research, 2016, 3, 015002.	1.2	10
38	Sulfonated Polyimide-Clay Thin Films for Energy Application. Recent Patents on Nanotechnology, 2016, 10, 221-230.	0.7	10
39	Highly biocompatible formulations based on Arabic gum Nano composite hydrogels: Fabrication, characterization, and biological investigation. International Journal of Biological Macromolecules, 2022, 209, 59-69.	3.6	10
40	Synthesis and characterization of novel coatable polyimide-silica nanocomposites. Journal of Polymer Research, 2014, 21, 1.	1.2	9
41	Photo-oxidative degradation of organo-functionalized vermiculite clay-reinforced polyimide composites. Applied Nanoscience (Switzerland), 2020, 10, 3725-3733.	1.6	8
42	INAA and ETAAS of toxic element content of fruits harvested and consumed in Pakistan. Journal of Radioanalytical and Nuclear Chemistry, 2004, 262, 691-696.	0.7	7
43	Development of novel coatable compatibilized polyimide-modified silica nanocomposites. Journal of Polymer Research, 2014, 21, 1.	1.2	7
44	Skull Base Involvement by a Nasopharyngeal Carcinoma Shown by Tc-99m MDP SPECT But Not by Computed Tomography. Clinical Nuclear Medicine, 2001, 26, 930-932.	0.7	6
45	Poly(vinyl alcohol) and chitosan blend cross-linked with bis phenol-F-diglycidyl ether: mechanical, thermal and water absorption investigation. Journal of the Chinese Advanced Materials Society, 2016, 4, 211-227.	0.7	5
46	Crosslinking of alginic acid/chitosan matrices using bis phenol-F-diglycidyl ether: mechanical, thermal and water absorption investigation. International Journal of Plastics Technology, 2016, 20, 159-174.	2.9	5
47	Application of Mg(OH)2 Nanosheets for Conservation and Restoration of Precious Documents and Cultural Archives. BioResources, 2018, 13, .	0.5	5
48	Synthesis, kinetics and thermal stability of napthalenic polyimide silica nanocomposites. Materials Research Express, 2019, 6, 025052.	0.8	4
49	Investigation of saturation and excitation behavior of 1.5 Î¼m emission from Er³⁺ ions in SiO₂ sensitized with Si nanocrystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2312-2317.	0.8	3
50	A Study on Physical Properties of Melt Blended Acrylonitrile Butadiene Styrene/Ethylene Vinyl Acetate Modified with Linear Low Density Polyethylene and Montmorillonite. Polymer-Plastics Technology and Engineering, 2016, 55, 1145-1154.	1.9	3
51	Improving the methotrexate loading/release of magnetite by coating with silica of various thicknesses. Materials Research Express, 2019, 6, 125401.	0.8	3
52	Highly Versatile Gum Acacia Based Swellable Microgels Encapsulating Cobalt Nanoparticles; An Approach to Rapid and Recoverable Environmental Nano-catalysis. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2030-2042.	1.9	3
53	Synthesis and physicochemical investigation of imideâ€functionalized silica nanocomposites. Journal of Applied Polymer Science, 2021, 138, 50646.	1.3	3
54	Sulfonated Polyimide Membranes Derived from a Novel Sulfonated Diamine with Pendant Benzenesulfonic Acid for Fuel Cells. Energies, 2021, 14, 6050.	1.6	3

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55	Polyimide molecular composites containing a stiffâ€chain polymer derived from 1,5â€diaminonaphathalene and pyromellitic dianhydride. Polymer Composites, 2010, 31, 645-652.	2.3	2
56	AFM substantiation of the fracture behavior and mechanical properties of solâ€“gel derived silica packed epoxy networks. Journal of Sol-Gel Science and Technology, 2012, 61, 44-48.	1.1	2
57	Sulfonated Polyimide-Clay Thin Films for Energy Application. Recent Patents on Nanotechnology, 2016, 10, 1-1.	0.7	2
58	INAA and ETAAS of toxic element content of fruits harvested and consumed in Pakistan. Journal of Radioanalytical and Nuclear Chemistry, 2005, 262, 691-696.	0.7	1
59	Step-like increase of quantum yield of 1.5â€‰Î¼m Er-related emission in SiO2 doped with Si nanocrystals. Journal of Applied Physics, 2015, 117, 064303.	1.1	1
60	Cover Image, Volume 138, Issue 24. Journal of Applied Polymer Science, 2021, 138, 50733.	1.3	0
61	N-(4-Hydroxyphenyl)-4-nitrobenzamide. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o526-o526.	0.2	0
62	CHEMICAL AND BIOLOGICAL STUDIES ON FUNCTIONAL BISCUITS. Journal of Food and Dairy Sciences, 2015, 6, 277-292.	0.1	0