

# Humaira Masood Siddiqi

## List of Publications by Year in descending order

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76  
papers

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516710

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docs citations

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1343  
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#	ARTICLE	IF	CITATIONS
1	Electrochemical detection of mercuric( $\text{Hg}^{2+}$ ) ions in aqueous media using glassy carbon electrode modified with synthesized tribenzamides and silver nanoparticles. RSC Advances, 2022, 12, 1682-1693.	3.6	9
2	Molecular engineering of ruthenium-based photosensitizers with superior photovoltaic performance in DSSCs: novel N-alkyl 2-phenylindole-based ancillary ligands. New Journal of Chemistry, 2022, 46, 2739-2746.	2.8	1
3	A reliable sensing platform based on tribenzamide for sensitive and selective detection of Pb (II) ions. Inorganic Chemistry Communication, 2022, 138, 109261.	3.9	8
4	A photocatalytic dye-degradation study on methylene blue by graphitic nitride based polyimides synthesized via a facile thermal-condensation approach. Journal of Environmental Chemical Engineering, 2022, 10, 107747.	6.7	1
5	High-performance, low-voltage organic field-effect transistors using thieno[3,2- <i>b</i> ]thiophene and benzothiadiazole co-polymers. Journal of Materials Chemistry C, 2022, 10, 8254-8265.	5.5	17
6	Polyimides with noncoplanar Carbazole-TPA units: synthesis and characterization. Polymer-Plastics Technology and Materials, 2021, 60, 536-549.	1.3	1
7	Thermally resistant, mechanically stable, and processable triphenylamine-based hyperbranched copolyimides. Journal of Applied Polymer Science, 2021, 138, 49790.	2.6	3
8	Thermally stable, solution processable and redox active new poly(amide-imide)s: synthesis and characterization. Chemical Papers, 2021, 75, 3711-3721.	2.2	2
9	A (solvent-free) approach to metal-free photo-catalysts for methylene blue degradation. Iranian Polymer Journal (English Edition), 2021, 30, 1029-1039.	2.4	6
10	Fabrication of a Fluorophore/Liquid-Crystal-Based Oligopeptide Biosensor for the Detection of Cu (II) Ions. ChemistrySelect, 2021, 6, 6607-6618.	1.5	6
11	Synthesis of Redox-Active, Fluorescent Triphenylamine Derivative for Detection of Heavy Metal Ions. Russian Journal of Physical Chemistry A, 2021, 95, 1574-1580.	0.6	0
12	Study of Proton Transport in Diethylmethylammonium Poly[4-styrenesulfonyl(trifluoromethylsulfonyl)imide]-Based Composite Membranes with Triflic Acid and Diethylmethylamine-Rich Compositions. Journal of Physical Chemistry B, 2021, 125, 11005-11016.	2.6	2
13	Investigation of thermal and fluorescent properties of benzoxazole-linked triphenylamine-based co-polyimides. High Performance Polymers, 2020, 32, 231-241.	1.8	2
14	High performance epoxy nanocomposites with enhanced thermal and mechanical properties by incorporating amine-terminated oligoimide-grafted graphene oxide. High Performance Polymers, 2020, 32, 569-587.	1.8	5
15	Electrochemical investigations of DNA-Intercalation potency of bisnitrophenoxy compounds with different alkyl chain lengths. Heliyon, 2020, 6, e04124.	3.2	9
16	Investigation of N and S Co-doped Porous Carbon for Sodium-Ion Battery, Synthesized by Using Ammonium Sulphate for Simultaneous Activation and Heteroatom Doping. Journal of the Electrochemical Society, 2020, 167, 100531.	2.9	7
17	Effect of fluoro-substituted acceptor-based ancillary ligands on the photocurrent and photovoltage in dye-sensitized solar cells. Solar Energy, 2020, 199, 74-81.	6.1	10
18	Development of tribenzamide functionalized electrochemical sensor for femtomolar level sensing of multiple inorganic water pollutants. Electrochimica Acta, 2020, 353, 136569.	5.2	17

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19	Triphenylamine based redox-active, fluorescent polyamides: synthesis and photophysics. Journal of Polymer Research, 2020, 27, 1.	2.4	6
20	Bovine Serum Albumin Protein-Based Liquid Crystal Biosensors for Optical Detection of Toxic Heavy Metals in Water. Sensors, 2020, 20, 298.	3.8	31
21	Recent developments in the synthesis of regioregular thiophene-based conjugated polymers for electronic and optoelectronic applications using nickel and palladium-based catalytic systems. RSC Advances, 2020, 10, 4322-4396.	3.6	53
22	Synthesis and mesomorphic properties of H-bonded side-chain liquid crystal polymers of two modifications of poly(4-vinylphenol) and poly(4-vinylpyridine). Molecular Crystals and Liquid Crystals, 2020, 708, 14-25.	0.9	0
23	One step <i>in situ</i> synthesis of ZnS/N and S co-doped carbon composites <i>via</i> salt templating for lithium-ion battery applications. New Journal of Chemistry, 2019, 43, 13038-13047.	2.8	9
24	Investigations into structure-property relationships of novel Ru(II) dyes with N,N <sup>2</sup> -Diethyl group in ancillary ligand for dye-sensitized solar cells. Dyes and Pigments, 2019, 171, 107754.	3.7	8
25	Polymer-particulate composites with differential interfaces: synthesis, characterization, and mathematical modeling to evaluate interface-yield strength correlations. Colloid and Polymer Science, 2019, 297, 545-556.	2.1	5
26	Titania Laden Liquid Crystal Based Sensor as Photocatalyst. Journal of Nanoscience and Nanotechnology, 2019, 19, 7673-7678.	0.9	1
27	Enhanced Dielectric Constant, Ultralow Dielectric Loss, and High-Strength Imide-Functionalized Graphene Oxide/Hyperbranched Polyimide Nanocomposites. Journal of Physical Chemistry C, 2018, 122, 6555-6565.	3.1	19
28	Influence of brominated-TPA-stilbazole based ancillary ligand on the photocurrent and photovoltage in dye-sensitized solar cells. Dyes and Pigments, 2018, 150, 347-353.	3.7	9
29	Thermally stable epoxy polymers from new tetraglycidyl amine-based resin. Journal of Thermal Analysis and Calorimetry, 2018, 132, 205-214.	3.6	7
30	Layer-by-layer fabrication of nacre inspired epoxy/MMT multilayered composites. Journal of Applied Polymer Science, 2018, 135, 46079.	2.6	14
31	4-quinolin-8-yloxy Linked Triphenylamine Based Polyimides: Blue Light Emissive and Potential Hole-Transport Materials. Journal of Fluorescence, 2018, 28, 311-321.	2.5	5
32	Design, synthesis and liquid crystalline behavior of ethyl 4-((4-alkoxyphenyl)diazenyl)benzoates. Molecular Crystals and Liquid Crystals, 2018, 664, 14-23.	0.9	3
33	Synthesis, Molecular Docking Studies, and Anticonvulsant Evaluation of Novel bis-Phenylhydrazones against Chemically induced Seizures in Mice. Journal of the Chinese Chemical Society, 2017, 64, 940-952.	1.4	2
34	Thiocyanate-free ruthenium sensitizers with a bi-imidazole ligand in dye-sensitized solar cells (DSSCs). New Journal of Chemistry, 2017, 41, 6272-6277.	2.8	16
35	Electroactive Polyimides: Synthesis, Characterization and Photophysics. Polymer-Plastics Technology and Engineering, 2017, 56, 899-905.	1.9	4
36	Thermal, Rheological, Mechanical and Morphological Behavior of High Density Polyethylene and Carboxymethyl Cellulose Blend. Journal of Polymers and the Environment, 2017, 25, 1011-1020.	5.0	11

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37	Synthesis and Photophysical Study of New Green Fluorescent TPA Based Poly(azomethine)s. Journal of Fluorescence, 2017, 27, 2177-2186.	2.5	12
38	A comparative study of the influence of N,N-dialkyl vs. N,N-diaryl-based electron donor ancillary ligands on photocurrent and photovoltage in dye-sensitized solar cells (DSSCs). Physical Chemistry Chemical Physics, 2017, 19, 20847-20860.	2.8	22
39	Template-free synthesis of nitrogen doped carbon materials from an organic ionic dye (murexide) for supercapacitor application. RSC Advances, 2017, 7, 54626-54637.	3.6	16
40	mesomorphic and fluorescent properties. Liquid Crystals, 2017, 44, 628-642.	2.2	6
41	Fluorescent, electroactive, thermally stable triphenylamine and naphthalene based polyimides for optoelectronic applications. Journal of Applied Polymer Science, 2017, 134, .	2.6	11
42	Synthesis and characterization of blue light emitting redox-active polyimides bearing a noncoplanar fused carbazole triphenylamine unit. New Journal of Chemistry, 2016, 40, 5285-5293.	2.8	18
43	2-Aminoethanol-mediated wet chemical synthesis of ZnO nanostructures. Applied Nanoscience (Switzerland), 2015, 5, 425-433.	3.1	7
44	Pyridine-thiourea based high performance polymers: Synthesis and characterization. Chinese Journal of Polymer Science (English Edition), 2015, 33, 49-60.	3.8	5
45	Enhancing the dielectric properties of highly compatible new polyimide/ $\beta$ -ray irradiated MWCNT nanocomposites. RSC Advances, 2015, 5, 71183-71189.	3.6	16
46	Preparation, Characterization, and Enhanced Thermal and Mechanical Properties of Epoxy-Titania Composites. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	33
47	Synthesis and characterization of novel coatable polyimide-silica nanocomposites. Journal of Polymer Research, 2014, 21, 1.	2.4	9
48	Curing behavior and thermal properties of TGDDM copolymerized with a new pyridine-containing diamine and with DDM or DDS. Thermochimica Acta, 2014, 575, 21-28.	2.7	33
49	Development of novel coatable compatibilized polyimide-modified silica nanocomposites. Journal of Polymer Research, 2014, 21, 1.	2.4	7
50	Augmenting thermal and mechanical properties of epoxy thermosets: The role of thermally-treated versus surface-modified TiO <sub>2</sub> nanoparticles. Materials Express, 2014, 4, 54-64.	0.5	12
51	Thermal and rheological effects of sepiolite in linear low density polyethylene/starch blend. Journal of Applied Polymer Science, 2013, 127, 1330-1337.	2.6	21
52	Study on the preparation and properties of novel block copolymeric materials based on structurally modified organometallic as well as organic polyamides and polydimethylsiloxane. Polymer International, 2013, 62, 319-334.	3.1	15
53	Synthesis, characterization and thermal oxidative stability of rigid epoxy polymers cured from aromatic mono- and di-amines. Journal of Polymer Research, 2013, 20, 1.	2.4	10
54	Sol-gel synthesis of tetragonal ZrO <sub>2</sub> nanoparticles stabilized by crystallite size and oxygen vacancies. Journal of Sol-Gel Science and Technology, 2013, 67, 670-674.	2.4	52

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55	Synthesis and characterization of processable aromatic polyimides and their initial evaluation as promising biomaterials. <i>Colloid and Polymer Science</i> , 2013, 291, 1581-1593.	2.1	7
56	The effect of SiO <sub>2</sub> filler content and its organic compatibility on thermal stability of epoxy resin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 247-252.	3.6	37
57	Exploring resin viscosity effects in solventless processing of nano-SiO <sub>2</sub> /epoxy polymer hybrids. <i>RSC Advances</i> , 2013, 3, 3885.	3.6	38
58	Novel flame retardant poly(thiourea-sulfone-imide)s for high temperature applications: synthesis and characterization. <i>Turkish Journal of Chemistry</i> , 2013, 37, 946-958.	1.2	4
59	Preparation and characterization of novel polyimide-silica hybrids. <i>Polymers for Advanced Technologies</i> , 2013, 24, 407-414.	3.2	10
60	AFM substantiation of the fracture behavior and mechanical properties of sol-gel derived silica packed epoxy networks. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 61, 44-48.	2.4	2
61	Synthesis, Spectroscopic Studies and Crystal Structure of 1,2-bis (4-nitro benzoyloxy) ethane. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1180-1184.	1.1	0
62	The influence of temperature and interface strength on the microstructure and performance of sol-gel silica-epoxy nanocomposites. <i>Polymer Bulletin</i> , 2011, 67, 1539-1551.	3.3	21
63	A comprehensive study of the bicontinuous epoxy-silica hybrid polymers: I. Synthesis, characterization and glass transition. <i>Polymer</i> , 2011, 52, 1345-1355.	3.8	61
64	The Influence of Epoxy Functionalized Silica Nanoparticles on Stress Dispersion and Crack Resistance in Epoxy-Based Hybrids. <i>Materials Express</i> , 2011, 1, 299-306.	0.5	14
65	Synthesis and characterization of some polyimide-epoxy composites. <i>E-Polymers</i> , 2011, 11, .	3.0	3
66	Thermally and mechanically superior hybrid epoxy-silica polymer films via sol-gel method. <i>Progress in Organic Coatings</i> , 2010, 69, 100-106.	3.9	74
67	4-Nitrophenyl 1-naphthoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1023-o1023.	0.2	0
68	Crystal and Molecular Structure of 4-Aminobenzohydrazide. <i>Journal of Chemical Crystallography</i> , 2010, 40, 397-401.	1.1	4
69	4-Nitrophenyl 2-methylbenzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o3038-o3038.	0.2	2
70	Synthesis and characterization of some aromatic polyimides. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2101-2108.	2.6	7
71	Synthesis and characterization of some novel thermally stable poly(amide-imide)s. <i>Journal of Materials Science</i> , 2009, 44, 4796-4805.	3.7	8
72	Synthesis and characterization of some Schiff-base-containing polyimides. <i>Colloid and Polymer Science</i> , 2008, 286, 1455-1461.	2.1	12

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73	N-[4-(4-Nitrophenoxy)phenyl]propionamide. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2186-o2186.	0.2	4
74	Synthesis, structure and characterization of some Schiff bases bearing phenylferrocene. Applied Organometallic Chemistry, 2007, 21, 758-762.	3.5	4
75	Synthesis and physico-analytical studies of some novel ferrocenyl Schiff base derivatives. Journal of Organometallic Chemistry, 2007, 692, 3542-3546.	1.8	9
76	Synthesis of tri-functional allyl-endcapped triphenylmethane crosslinker and evaluation of crosslinking effect on properties of high-density polyethylene. Polymer Bulletin, 0, , 1.	3.3	0