

# Amir Sada Khan

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47  
papers

1,057  
citations

18  
h-index

31  
g-index

48  
ext. papers

1,380  
ext. citations

5.5  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
47	Efficient conversion of lignocellulosic biomass to levulinic acid using acidic ionic liquids. <i>Carbohydrate Polymers</i> , <b>2018</b> , 181, 208-214	10.3	92
46	Mangosteen peel waste as a sustainable precursor for high surface area mesoporous activated carbon: Characterization and application for methylene blue removal. <i>Journal of Cleaner Production</i> , <b>2019</b> , 211, 1190-1200	10.3	86
45	Acidic ionic liquids: Promising and cost-effective solvents for processing of lignocellulosic biomass. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 287, 110943	6	67
44	A review on ionic liquids as perspective catalysts in transesterification of different feedstock oil into biodiesel. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 266, 673-686	6	64
43	Dicationic ionic liquids as sustainable approach for direct conversion of cellulose to levulinic acid. <i>Journal of Cleaner Production</i> , <b>2018</b> , 170, 591-600	10.3	63
42	Dicationic imidazolium based ionic liquids: Synthesis and properties. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 227, 98-105	6	49
41	A new approach of probe sonication assisted ionic liquid conversion of glucose, cellulose and biomass into 5-hydroxymethylfurfural. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 37, 310-319	8.9	44
40	Impact of Ball-Milling Pretreatment on Pyrolysis Behavior and Kinetics of Crystalline Cellulose. <i>Waste and Biomass Valorization</i> , <b>2016</b> , 7, 571-581	3.2	44
39	Synthesis, characterization and the effect of temperature on different physicochemical properties of protic ionic liquids. <i>RSC Advances</i> , <b>2015</b> , 5, 71449-71461	3.7	38
38	Dissolution and Separation of Wood Biopolymers Using Ionic Liquids. <i>ChemBioEng Reviews</i> , <b>2015</b> , 2, 257-278	3.78	36
37	Evaluation of Thermophysical Properties of Functionalized Imidazolium Thiocyanate Based Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 12428-12437	3.9	34
36	Synthesis and Thermophysical Properties of Hydrogensulfate Based Acidic Ionic Liquids. <i>Journal of Solution Chemistry</i> , <b>2015</b> , 44, 875-889	1.8	31
35	Extraction of valuable chemicals from sustainable rice husk waste using ultrasonic assisted ionic liquids technology. <i>Journal of Cleaner Production</i> , <b>2019</b> , 220, 620-629	10.3	29
34	Potential biosorbent derived from <i>Calligonum polygonoides</i> for removal of methylene blue dye from aqueous solution. <i>Scientific World Journal, The</i> , <b>2015</b> , 2015, 562693	2.2	26
33	Study of the antimicrobial activity of cyclic cation-based ionic liquids via experimental and group contribution QSAR model. <i>Chemosphere</i> , <b>2018</b> , 195, 21-28	8.4	25
32	Effect of ionic liquid on thermo-physical properties of bamboo biomass. <i>Wood Science and Technology</i> , <b>2015</b> , 49, 897-913	2.5	24
31	Synthesis, characterization and physicochemical properties of dual-functional acidic ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 223, 81-88	6	22

30	Thermal Stability and Kinetic Study of Benzimidazolium Based Ionic Liquid. <i>Procedia Engineering</i> , <b>2016</b> , 148, 215-222		18
29	COSMO-RS predictions, hydrogen bond basicity values and experimental evaluation of amino acid-based ionic liquids for lignocellulosic biomass dissolution. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 273, 215-221	6	18
28	Optimization of ionic liquid assisted sugar conversion and nanofiltration membrane separation for 5-hydroxymethylfurfural. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 69, 171-178	6.3	18
27	Effect of Structural Variations on the Thermophysical Properties of Protic Ionic Liquids: Insights from Experimental and Computational Studies. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 2993-3003	2.8	17
26	Effect of protic ionic liquid treatment on the pyrolysis products of lignin extracted from oil palm biomass. <i>Fuel</i> , <b>2021</b> , 291, 120133	7.1	17
25	Ionic liquids and deep eutectic solvents for the recovery of phenolic compounds: effect of ionic liquids structure and process parameters.. <i>RSC Advances</i> , <b>2021</b> , 11, 12398-12422	3.7	17
24	Biosorption of nickel (II) and copper (II) ions from aqueous solution using novel biomass derived from <i>Nannorrhops ritchiana</i> (Mazri Palm). <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 3964-3974		16
23	COSMO-RS based screening of ionic liquids for extraction of phenolic compounds from aqueous media. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 328, 115387	6	16
22	Thermophysical properties and ecotoxicity of new nitrile functionalised protic ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 249, 583-590	6	15
21	Physicochemical properties, Brønsted acidity and ecotoxicity of imidazolium-based organic salts: Non-toxic variants of protic ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 269, 178-186	6	13
20	Development of collagen/PVA composites patches for osteochondral defects using a green processing of ionic liquid. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2019</b> , 68, 590-596	3	12
19	A Detail Description on Catalytic Conversion of Waste Palm Cooking Oil into Biodiesel and Its Derivatives: New Functionalized Ionic Liquid Process. <i>ChemistrySelect</i> , <b>2017</b> , 2, 8583-8595	1.8	12
18	Effect of short time ball milling on physicochemical and adsorption performance of activated carbon prepared from mangosteen peel waste. <i>Renewable Energy</i> , <b>2021</b> , 168, 723-733	8.1	12
17	Activated carbon-alginate beads impregnated with surfactant as sustainable adsorbent for efficient removal of methylene blue. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 176, 233-243		11
16	<i>Calligonum polygonoides</i> biomass as a low-cost adsorbent: surface characterization and methylene blue adsorption characteristics. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 7345-7357		10
15	Synthesis of hexagonal boron nitride fibers within two hour annealing at 500 °C and two hour growth duration at 1000 °C. <i>Ceramics International</i> , <b>2016</b> , 42, 14661-14666	5.1	10
14	Magnesium diboride (MgB <sub>2</sub> ): An effective and novel precursor for the synthesis of vertically aligned BNNTs. <i>Materials Research Bulletin</i> , <b>2018</b> , 98, 235-239	5.1	8
13	Synthesis of multilayered hexagonal boron nitride microcrystals as a potential hydrogen storage element. <i>Ceramics International</i> , <b>2017</b> , 43, 7358-7361	5.1	7

12	Role of cation and alkyl chain length on the extraction of phenol from aqueous solution using NTF2-based ionic liquids: Experimental and computational analysis. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 326, 115305	6	7
11	Physicochemical characterization of Pakistani clay for adsorption of methylene blue: Kinetic, isotherm and thermodynamic study. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 269, 124722	4.4	7
10	Alkyd paint removal: Ionic liquid vs volatile organic compound (VOC). <i>Progress in Organic Coatings</i> , <b>2018</b> , 122, 79-87	4.8	4
9	Preparation of sustainable activated carbon-alginate beads impregnated with ionic liquid for phenol decontamination. <i>Journal of Cleaner Production</i> , <b>2021</b> , 321, 128899	10.3	4
8	Application of protic ammonium-based ionic liquids with carboxylate anions for phenol extraction from aqueous solution and their cytotoxicity on human cells. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 342, 117447	6	4
7	Swelling mechanism of urea cross-linked starch-lignin films in water. <i>Environmental Technology (United Kingdom)</i> , <b>2018</b> , 39, 1522-1532	2.6	2
6	Effect of Ball Milling on the Catalytic Conversion of Cellulose to Levulinic Acid. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 625, 353-356	0.3	2
5	Pyrolysis Kinetics of 1-Propyronitrile Imidazolium Trifluoroacetate Ionic Liquid Using Thermogravimetric Analysis. <i>Procedia Engineering</i> , <b>2016</b> , 148, 1332-1339		2
4	Adsorption efficiency of date palm based activated carbon-alginate membrane for methylene blue.. <i>Chemosphere</i> , <b>2022</b> , 302, 134793	8.4	2
3	Kinetics and thermodynamic study of Calligonum polygonoides pyrolysis using model-free methods. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 160, 130-130	5.5	1
2	Amine-Based Deep Eutectic Solvents for Alizarin Extraction from Aqueous Media. <i>Processes</i> , <b>2022</b> , 10, 794	2.9	0
1	Synthesis, Structural Characterization, and Evaluation of the Biological Properties of Heteroleptic Palladium(II) Complexes. <i>Bioinorganic Chemistry and Applications</i> , <b>2014</b> , 2014, 916361	4.2	