

# Naved I Malek

## List of Publications by Year in descending order

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92  
papers

2,140  
citations

196777

29  
h-index

325983

40  
g-index

92  
all docs

92  
docs citations

92  
times ranked

1835  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imidazole-based surface-active gelator: Thermo responsive gel-to-gel transition of 1-hexadecyl-3-methyl imidazolium salicylate for multidimensional applications. <i>Journal of Molecular Liquids</i> , 2022, 345, 117773.	2.3	6
2	An ionic hydrogel with stimuli-responsive, self-healable and injectable characteristics for the targeted and sustained delivery of doxorubicin in the treatment of breast cancer. <i>Materials Advances</i> , 2022, 3, 632-646.	2.6	13
3	Folic acid functionalized molybdenum oxide quantum dots for the detection of Cu <sup>2+</sup> ion and alkaline phosphatase via fluorescence turn off mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120659.	2.0	10
4	Review on the biomedical and sensing applications of nanomaterial-incorporated hydrogels. <i>Materials Today Chemistry</i> , 2022, 23, 100746.	1.7	42
5	Borophene as a rising star in materials chemistry: synthesis, properties and applications in analytical science and energy devices. <i>New Journal of Chemistry</i> , 2022, 46, 4514-4533.	1.4	15
6	Green fluorescent carbon dots functionalized MoO <sub>3</sub> nanoparticles for sensing of hypochlorite. <i>Journal of Molecular Liquids</i> , 2022, 351, 118628.	2.3	15
7	Stimuli responsive self-assembled structural aggregates of ionic liquid based surfactants as the membrane free microreactors for dyes sequestration and drug encapsulation. <i>Journal of Molecular Liquids</i> , 2022, 350, 118555.	2.3	3
8	Thermophysical, Acoustic, and Refractive Properties of Pure and Binary Mixtures Composed of Imidazolium-Based Ionic Liquids and PEG 600. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 594-606.	1.0	6
9	Microwave-Assisted Synthesis of Red Emitting Copper Nanoclusters Using Trypsin as a Ligand for Sensing of Pb <sup>2+</sup> And Hg <sup>2+</sup> Ions in Water and Tobacco Samples. <i>Applied Spectroscopy</i> , 2022, 76, 1234-1245.	1.2	7
10	Amino acid induced self-assembled vesicles of choline oleate: pH responsive nano-carriers for targeted and localized delivery of doxorubicin for breast cancer. <i>Journal of Molecular Liquids</i> , 2022, 360, 119517.	2.3	6
11	Recent developments in carbon dot-based green analytical methods: new opportunities in fluorescence assays of pesticides, drugs and biomolecules. <i>New Journal of Chemistry</i> , 2022, 46, 14287-14308.	1.4	34
12	Synthesis of blue fluorescent molybdenum nanoclusters with novel terephthaldehyde-cysteine Schiff base for detection of pyrophosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 280, 121536.	2.0	7
13	Effects of head-group volume on the thermodynamic parameters and species distribution of ionic liquid-based surfactants in water: 1-(n-hexadecyl)-3-alkylimidazolium bromides and chlorides. <i>Journal of Molecular Liquids</i> , 2022, 362, 119681.	2.3	2
14	Investigation of Temperature, Composition, and Alkyl Chain-Dependent Molecular Interactions between Imidazolium-Based Ionic Liquids and Aniline: A Study of Experimental and Theoretical Thermophysical Properties. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 154-169.	1.0	4
15	Experimental and theoretical excess molar properties of aqueous choline chloride based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 324, 114340.	2.3	6
16	Ionic Liquid-Based Surfactants: Recent Advances in Their Syntheses, Solution Properties, and Applications. <i>Polymers</i> , 2021, 13, 1100.	2.0	61
17	On the effects of head-group volume on the adsorption and aggregation of 1-(n-hexadecyl)-3-Cm-imidazolium bromide and chloride surfactants in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2021, 328, 115478.	2.3	8
18	Drug induced catanionic vesicles assisted fabrication of hollow silica nano-spheres as the new age chemo-drug carrier. <i>Colloids and Interface Science Communications</i> , 2021, 44, 100466.	2.0	3

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19	Density, Speeds of Sound, and Refractive Index of Pure and Binary Mixtures of Ionic Liquids Based on Imidazolium Cations and Tetrafluoroborate Anions with Cyclohexylamine. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 3802-3814.	1.0	3
20	Surface modifications and analytical applications of graphene oxide: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 144, 116448.	5.8	66
21	Review on MXenes-based nanomaterials for sustainable opportunities in energy storage, sensing and electrocatalytic reactions. <i>Journal of Molecular Liquids</i> , 2021, 342, 117524.	2.3	35
22	Ionic liquid-based catanionic vesicles: A de novo system to judiciously improve the solubility, stability and antimicrobial activity of curcumin. <i>Journal of Molecular Liquids</i> , 2021, 341, 117396.	2.3	24
23	Selective Sequestration of Charged Dyes and Drug in the ionic Liquid Based Complex Coacervates. <i>Journal of Ionic Liquids</i> , 2021, 1, 100006.	1.0	3
24	Self-Sustainable, self-healable, Load Bearable and Moldable stimuli responsive ionogel for the Selective Removal of Anionic Dyes from aqueous medium. <i>Journal of Molecular Liquids</i> , 2020, 298, 112048.	2.3	29
25	Sodium Salicylate Mediated Ionic Liquid Based Catanionic Coacervates as Membrane-Free Microreactors for the Selective Sequestration of Dyes and Curcumin. <i>ChemSystemsChem</i> , 2020, 2, e1900029.	1.1	13
26	Temperature, Composition, and Alkyl Chain-Dependent Molecular Interactions between Imidazolium-Based Ionic Liquids with <i>N</i> -Methylaniline and <i>N</i> -Ethylaniline: Experimental and Theoretical Study. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 5249-5265.	1.0	10
27	Introduction of cellulose-cysteine Schiff base as a new ligand for the fabrication of blue fluorescent gold nanoclusters for the detection of indapamide drug. <i>Journal of Molecular Liquids</i> , 2020, 319, 114305.	2.3	16
28	Magnetically driven release of dopamine from magnetic-non-magnetic cellulose beads. <i>Journal of Molecular Liquids</i> , 2020, 320, 114290.	2.3	7
29	Investigation on thermophysical properties of binary systems of [C4mim][NTf2] with cyclic ethers: Application of PFP and ERAS theories. <i>Journal of Molecular Liquids</i> , 2020, 320, 114411.	2.3	6
30	Concentration- and Temperature-Responsive Reversible Transition in Amide-Functionalized Surface-Active Ionic Liquids: Micelles to Vesicles to Organogel. <i>ACS Omega</i> , 2020, 5, 24272-24284.	1.6	12
31	Functionalized surfactant based catanionic vesicles as the soft template for the synthesis of hollow silica nanospheres as new age drug carrier. <i>Surfaces and Interfaces</i> , 2020, 20, 100596.	1.5	11
32	A Comprehensive Study Based on the Application of Different Genre of Surface-Active Ionic Liquid and Alkali Combination Systems in Surfactant Flooding. <i>Energy &amp; Fuels</i> , 2020, 34, 9411-9425.	2.5	8
33	Facile synthesis of highly blue fluorescent tyrosine coated molybdenum oxide quantum dots for the detection of imidacloprid pesticide. <i>Journal of Molecular Liquids</i> , 2020, 319, 114329.	2.3	24
34	Selective accumulation of dyes and curcumin in a macroscopic complex coacervates composed of morpholinium based ester functionalized ionic liquid and sodium salicylate. <i>Journal of Molecular Liquids</i> , 2020, 317, 114140.	2.3	14
35	Thermo-switchable de novo ionogel as metal absorbing and curcumin loaded smart bandage material. <i>Journal of Molecular Liquids</i> , 2020, 306, 112922.	2.3	24
36	Poly(vinyl alcohol) and Functionalized Ionic Liquid-Based Smart Hydrogels for Doxorubicin Release. <i>ACS Applied Bio Materials</i> , 2020, 3, 4883-4894.	2.3	32

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37	Ractopamine as a novel reagent for the fabrication of gold nanoparticles: Colorimetric sensing of cysteine and Hg <sup>2+</sup> ion with different spectral characteristics. <i>Microchemical Journal</i> , 2020, 158, 105212.	2.3	32
38	Cellulose Regeneration and Chemical Recycling: Closing the "Cellulose Gap" Using Environmentally Benign Solvents. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900832.	1.7	46
39	Insight into the Application of Surface-Active Ionic Liquids in Surfactant Based Enhanced Oil Recovery Processes "A Guide Leading to Research Advances. <i>Energy &amp; Fuels</i> , 2020, 34, 6544-6557.	2.5	61
40	Fluorescence detection of Fe <sup>3+</sup> ion using ultra-small fluorescent carbon dots derived from pineapple ( <i>Ananas comosus</i> ): Development of miniaturized analytical method. <i>Journal of Molecular Structure</i> , 2020, 1216, 128343.	1.8	39
41	Temperature-Responsive Low Molecular Weight Ionic Liquid Based Gelator: An Approach to Fabricate an Anti-Cancer Drug-Loaded Hybrid Ionogel. <i>ChemSystemsChem</i> , 2020, 2, e1900053.	1.1	18
42	Formation of hydrotropic drug/gemini surfactant based catanionic vesicles as efficient nano drug delivery vehicles. <i>Colloids and Interface Science Communications</i> , 2020, 37, 100273.	2.0	25
43	Designing of glutathione-lactose derivative for the fabrication of gold nanoclusters with red fluorescence: Sensing of Al <sup>3+</sup> and Cu <sup>2+</sup> ions with two different mechanisms. <i>Optical Materials</i> , 2020, 100, 109704.	1.7	26
44	Understanding the peculiar effect of water on the physicochemical properties of choline chloride based deep eutectic solvents theoretically and experimentally. <i>Journal of Molecular Liquids</i> , 2019, 278, 607-615.	2.3	72
45	Stimuli Responsive, Self-Sustainable, and Self-Healable Functionalized Hydrogel with Dual Gelation, Load-Bearing, and Dye-Absorbing Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19572-19583.	4.0	41
46	Trypsin mediated one-pot reaction for the synthesis of red fluorescent gold nanoclusters: Sensing of multiple analytes (carbidopa, dopamine, Cu <sup>2+</sup> , Co <sup>2+</sup> and Hg <sup>2+</sup> ions). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 209-217.	2.0	59
47	Cellulose in Ionic Liquids and Alkaline Solutions: Advances in the Mechanisms of Biopolymer Dissolution and Regeneration. <i>Polymers</i> , 2019, 11, 1917.	2.0	38
48	Potential of a Novel Surfactant Slug in Recovering Additional Oil from Highly Saline Calcite Cores during the EOR Process: Synergistic Blend of Surface Active Ionic Liquid and Nonionic Surfactant. <i>Energy &amp; Fuels</i> , 2019, 33, 541-550.	2.5	18
49	Synergistic Interaction between Cholesterol and Functionalized Ionic Liquid Based Surfactant Leading to the Morphological Transition. <i>ChemistrySelect</i> , 2018, 3, 1300-1308.	0.7	22
50	Drug-Induced Micelle-to-Vesicle Transition of a Cationic Gemini Surfactant: Potential Applications in Drug Delivery. <i>ChemPhysChem</i> , 2018, 19, 865-872.	1.0	47
51	Salt-Induced Microstructural Transitions in Aqueous Dispersions of Ionic-Liquid-Based Surfactants. <i>ChemistrySelect</i> , 2018, 3, 4851-4858.	0.7	14
52	Ionic Liquid-Based Catanionic Coacervates: Novel Microreactors for Membrane-Free Sequestration of Dyes and Curcumin. <i>ACS Omega</i> , 2018, 3, 17751-17761.	1.6	26
53	Thermo-Switchable de Novo Ionic Liquid-Based Gelators with Dye-Absorbing and Drug-Encapsulating Characteristics. <i>ACS Omega</i> , 2018, 3, 12068-12078.	1.6	34
54	Nano-Vehicles for Drug Delivery Using Low-Cost Cationic Surfactants: A Drug Induced Structural Transitions. <i>ChemistrySelect</i> , 2018, 3, 9454-9463.	0.7	18

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55	BIOFUELS FROM COCONUT FAT AND SOYBEAN OIL: MICROWAVE-ASSISTED SYNTHESIS AND GAS CHROMATOGRAPHY/MASS SPECTROMETRY ANALYSIS. <i>Quimica Nova</i> , 2018, , .	0.3	1
56	Interaction of Tertiary Amine with Aryl and Alkyl Ethers: Experimental and Theoretical Approach. , 2018, , 191-218.		0
57	Application of Thermodynamic Models for Prediction of Experimental Solubility of Alkali Metal Halides in Aqueous Organic Solvents. , 2018, , 57-88.		0
58	Effect of imidazolium-based ionic liquids on the aggregation behavior of twin-tailed cationic gemini surfactant in aqueous solution. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 393-402.	1.3	20
59	Drug induced micelle-to-vesicle transition in aqueous solutions of cationic surfactants. <i>RSC Advances</i> , 2017, 7, 3861-3869.	1.7	39
60	Study on interfacial properties of Imidazolium ionic liquids as surfactant and their application in enhanced oil recovery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 516, 383-393.	2.3	82
61	Effects of 1-alkyl-3-methylimidazolium bromide ionic liquids on the micellar properties of [butanediyl-1,4-bis(dimethyldodecylammonium bromide)] gemini surfactant in aqueous solution. <i>Colloid and Polymer Science</i> , 2017, 295, 2351.	1.0	10
62	Impact of organic solvents on the micellization and interfacial behavior of ionic liquid based surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 507, 182-189.	2.3	30
63	Experimental and theoretical excess molar properties of imidazolium based ionic liquids with isomers of butanol. <i>Thermochimica Acta</i> , 2016, 634, 38-47.	1.2	30
64	Influence of imidazolium ionic liquids on fluorescence of push-pull diphenylbutadienes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 321, 55-62.	2.0	2
65	Thermophysical, acoustic and optical properties of binary mixtures of imidazolium based ionic liquids + polyethylene glycol. <i>Journal of Chemical Thermodynamics</i> , 2016, 99, 40-53.	1.0	32
66	Interaction Between Ionic Liquids and Gemini Surfactant: A Detailed Investigation into the Role of Ionic Liquids in Modifying Properties of Aqueous Gemini Surfactant. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 75-89.	1.0	29
67	Molecular interaction study through experimental and theoretical volumetric, transport and refractive properties of <i>N</i> -ethylaniline with aryl and alkyl ethers at several temperatures. <i>Physics and Chemistry of Liquids</i> , 2016, 54, 223-244.	0.4	16
68	Binary mixtures of ([C 4 mim][NTf 2 ] + molecular organic solvents): Thermophysical, acoustic and transport properties at various compositions and temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016, 93, 75-85.	1.0	28
69	Probing Cellulose Acetylation in Binary Mixtures of an Ionic Liquid with Dimethylsulfoxide and Sulfolane by Chemical Kinetics, Viscometry, Spectroscopy, and Molecular Dynamics Simulations. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 2368-2376.	1.1	15
70	A reciprocal binary mixture of protic/aprotic ionic liquids as a deep eutectic solvent: physicochemical behaviour and application towards agarose processing. <i>RSC Advances</i> , 2015, 5, 99245-99252.	1.7	25
71	Study of stability and thermodynamic properties of water-in-diesel nanoemulsion fuels with nano-Al additive. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 891-900.	1.6	38
72	Composition and Temperature Dependence of Excess Properties of Binary Mixtures of Imidazolium Based Ionic Liquids: II ([C n mim][PF6]) + Propylamine. <i>Journal of Solution Chemistry</i> , 2015, 44, 718-741.	0.6	17

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73	Investigation on thermophysical and excess properties of binary mixtures of imidazolium based ionic liquids at temperatures (293.15 to 323.15) K: III [C <sub>n</sub> mim][PF <sub>6</sub> ] (n = 4, 6, 8) + THF. Journal of Chemical Thermodynamics, 2015, 86, 143-153.	1.0	33
74	Effect of [C <sub>n</sub> mim][Br] Based Ionic Liquids on the Aggregation Behavior of Tetradecyltrimethylammonium Bromide in Aqueous Medium. Journal of Solution Chemistry, 2015, 44, 850-874.	0.6	19
75	Ionic-liquid-based surfactants with unsaturated head group: synthesis and micellar properties of 1-(n-alkyl)-3-vinylimidazolium bromides. Colloid and Polymer Science, 2015, 293, 3213-3224.	1.0	43
76	Imidazole-catalyzed esterification of cellulose in ionic liquid/molecular solvents: A multi-technique approach to probe effects of the medium. Industrial Crops and Products, 2015, 77, 180-189.	2.5	22
77	Molecular interaction study through experimental and theoretical volumetric, acoustic and refractive properties of binary liquid mixtures at several temperatures 1. N,N-dimethylaniline with aryl, and alkyl ethers. Journal of Molecular Liquids, 2014, 196, 120-134.	2.3	26
78	Study on thermo physical and excess molar properties of binary systems of ionic liquids. I: [C <sub>n</sub> mim][PF <sub>6</sub> ] (n=6, 8) and alkyl acetates. Journal of Chemical Thermodynamics, 2014, 74, 103-118.	1.0	39
79	Excess Molar Properties for Binary Systems of C <sub>n</sub> MIM-BF <sub>4</sub> Ionic Liquids with Alkylamines in the Temperature Range (298.15 to 318.15) K. Experimental Results and Theoretical Model Calculations. Journal of Chemical & Engineering Data, 2014, 59, 540-553.	1.0	22
80	Experimental and theoretical excess molar properties of imidazolium based ionic liquids with molecular organic solvents â€“ I. 1-Hexyl-3-methylimidazolium tetrafluoroborate and 1-octyl-3-methylimidazolium tetrafluoroborate with cyclic ethers. Journal of Chemical Thermodynamics, 2014, 71, 236-248.	1.0	45
81	Temperature dependence of densities, speeds of sound, and derived properties of cyclohexylamine+cyclohexane or benzene in the temperature range 293.15â€“323.15K. Thermochemica Acta, 2012, 547, 106-119.	1.2	30
82	Volumetric and acoustic properties of binary mixtures of cyclohexane + benzene and + benzaldehyde at (293.15â€“323.15) K. Thermochemica Acta, 2012, 539, 71-83.	1.2	53
83	Thermodynamic and acoustic properties of binary mixtures of ethers. V. Diisopropyl ether or oxolane with 2- or 3-chloroanilines at 303.15, 313.15 and 323.15K. Thermochemica Acta, 2011, , .	1.2	8
84	Temperature-Dependent Solvatochromic Probe Behavior within Ionic Liquids and (Ionic Liquid +) Tj ETQqO O O rgBT /Qverlock 10 Tf 50 30	1.2	66
85	Interfacial Polymerization of Linear Aromatic Poly(ester amide)s. International Journal of Polymeric Materials and Polymeric Biomaterials, 2009, 58, 202-216.	1.8	2
86	Visual Evidence for Formation of Waterâ€“inâ€“Ionic Liquid Microemulsions. ChemPhysChem, 2009, 10, 3204-3208.	1.0	54
87	Free Radical Copolymerization of Methyl Methacrylate and Styrene with N-(4-Carboxyphenyl)maleimide. International Journal of Polymeric Materials and Polymeric Biomaterials, 2007, 56, 421-435.	1.8	10
88	Synthesis and Radical Copolymerization of Ethyl Acrylate and Butyl Acrylate with N-[4-N'-(Phenylamino-carbonyl) phenyl] maleimide. International Journal of Polymeric Materials and Polymeric Biomaterials, 2007, 56, 27-41.	1.8	2
89	Radical polymerization of N-(4-butoxycarbonylphenyl)maleimide, its co-polymerization with methyl methacrylate, styrene and acrylonitrile, and the properties of the resulting polymers. Designed Monomers and Polymers, 2007, 10, 487-506.	0.7	1
90	Synthesis and Radical Polymerization of Nâ€“[4â€“Nâ€“2â€“(Phenylaminoâ€“carbonyl)phenyl]maleimide and its Copolymerization with Methyl Methacrylate. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 289-303.	1.2	12

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91	Studies of viscosities of dilute solutions of alkylamine in non-electrolyte solvents. II. Haloalkanes and other polar solvents. <i>Thermochimica Acta</i> , 2005, 427, 51-60.	1.2	17
92	Volumetric and Acoustic Properties of Binary and Ternary Mixtures of Butanol Isomers with Gasoline Surrogate Compounds. <i>Journal of Chemical &amp; Engineering Data</i> , 0, , .	1.0	1