

# Malik Abdul Rub

## List of Publications by Year in descending order

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270  
papers

9,012  
citations

30070

54  
h-index

71685

76  
g-index

272  
all docs

272  
docs citations

272  
times ranked

3250  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Perovskite Solar Cells: Influence of Hole Transporting Materials on Power Conversion Efficiency. <i>ChemSusChem</i> , 2016, 9, 10-27.   | 6.8 | 267       |
| 2  | Association behavior of a mixed system of the antidepressant drug imipramine hydrochloride and dioctyl sulfosuccinate sodium salt: Effect of temperature and salt. <i>Journal of Molecular Liquids</i> , 2018, 271, 254-264.  | 4.9 | 189       |
| 3  | Effect of anionic surfactant and temperature on micellization behavior of promethazine hydrochloride drug in absence and presence of urea. <i>Journal of Molecular Liquids</i> , 2017, 238, 389-396.  | 4.9 | 187       |
| 4  | Binary Mixtures of Sodium Salt of Ibuprofen and Selected Bile Salts: Interface, Micellar, Thermodynamic, and Spectroscopic Study. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3216-3228.  | 1.9 | 146       |
| 5  | Aggregation of sodium salt of ibuprofen and sodium taurocholate mixture in different media: A tensiometry and fluorometry study. <i>Journal of Chemical Thermodynamics</i> , 2018, 121, 199-210.  | 2.0 | 146       |
| 6  | Aggregation behavior of sodium salt of ibuprofen with conventional and gemini surfactant. <i>Journal of Molecular Liquids</i> , 2018, 262, 86-96.   | 4.9 | 136       |
| 7  | Mixed micellization study of ibuprofen (sodium salt) and cationic surfactant (conventional as well as) Tj ETQq1 1 0.784314 rgBT /Ove<br>1.9 134   | 1.9 | 134       |
| 8  | Tensiometric, fluorescence and <sup>1</sup> H NMR study of mixed micellization of non-steroidal anti-inflammatory drug sodium salt of ibuprofen in the presence of non-ionic surfactant in aqueous/urea solutions. <i>Journal of Chemical Thermodynamics</i> , 2016, 96, 196-207. | 2.0 | 132       |
| 9  | Mixed Micelle Formation between Amphiphilic Drug Amitriptyline Hydrochloride and Surfactants (Conventional and Gemini) at 293.15~308.15 K. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6354-6364.   | 2.6 | 130       |
| 10 | Aggregation behavior of amphiphilic drug promazine hydrochloride and sodium dodecylbenzenesulfonate mixtures under the influence of NaCl/urea at various concentration and temperatures. <i>Journal of Physical Organic Chemistry</i> , 2016, 29, 394-405.                        | 1.9 | 118       |
| 11 | Interaction of cationic amphiphilic drug nortriptyline hydrochloride with TX-100 in aqueous and urea solutions and the studies of physicochemical parameters of the mixed micelles. <i>Journal of Molecular Liquids</i> , 2016, 218, 595-603.                                     | 4.9 | 101       |
| 12 | Role of cetyltrimethylammonium bromide (CTAB) surfactant micelles on kinetics of [Zn(II)-Gly-Leu] <sup>+</sup> and ninhydrin. <i>Journal of Molecular Liquids</i> , 2019, 274, 639-645.   | 4.9 | 100       |
| 13 | Mixtures of antidepressant amphiphilic drug imipramine hydrochloride and anionic surfactant: Micellar and thermodynamic investigation. <i>Journal of Physical Organic Chemistry</i> , 2018, 31, e3812.  | 1.9 | 97        |
| 14 | Effect of temperature and salts on the interaction of cetyltrimethylammonium bromide with ceftriaxone sodium trihydrate drug. <i>Journal of Molecular Liquids</i> , 2016, 223, 716-724.   | 4.9 | 96        |
| 15 | Micellar and interfacial properties of amphiphilic drug "non-ionic surfactants mixed systems: Surface tension, fluorescence and UV-vis studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 183-192.                                     | 4.7 | 96        |
| 16 | Studies of interaction between ninhydrin and Gly-Leu dipeptide: Influence of cationic surfactants (m-s-m type Gemini). <i>Journal of Molecular Liquids</i> , 2018, 269, 1-7.  | 4.9 | 95        |
| 17 | Interaction of ninhydrin with chromium-glycylglycine complex in the presence of dimeric gemini surfactants. <i>Journal of Molecular Liquids</i> , 2018, 250, 329-334.   | 4.9 | 93        |
| 18 | Donor " "donor type hole transporting materials: marked "bridge effects on optoelectronic properties, solid-state structure, and perovskite solar cell efficiency. <i>Chemical Science</i> , 2016, 7, 6068-6075.  | 7.4 | 85        |

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|----|--|------|-----------|
| 19 | Bile salt–bile salt interaction in mixed monolayer and mixed micelle formation. <i>Journal of Chemical Thermodynamics</i> , 2019, 128, 406-414.  | 2.0  | 83        |
| 20 | Synthesis, characterization of silver nanoparticle embedded polyaniline tungstophosphate-nanocomposite cation exchanger and its application for heavy metal selective membrane. <i>Composites Part B: Engineering</i> , 2013, 45, 1486-1492.                                     | 12.0 | 81        |
| 21 | Interaction between tetradecyltrimethylammonium bromide and benzyltrimethylhexadecylammonium chloride in aqueous/urea solution at various temperatures: An experimental and theoretical investigation. <i>Journal of Molecular Liquids</i> , 2017, 238, 62-70.                   | 4.9  | 80        |
| 22 | Surface, micellar, and thermodynamic properties of antidepressant drug nortriptyline hydrochloride with TX-114 in aqueous/urea solutions. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3676.  | 1.9  | 79        |
| 23 | Interaction of an Amphiphilic Drug and Sodium Bis(2-ethylhexyl)sulfosuccinate at Low Concentrations in the Absence and Presence of Sodium Chloride. <i>Journal of Solution Chemistry</i> , 2015, 44, 1937-1961.  | 1.2  | 76        |
| 24 | Self-association and micro-environmental properties of sodium salt of ibuprofen with BRIJ-56 under the influence of aqueous/urea solution. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 96-104.   | 2.4  | 75        |
| 25 | Micellization and Interfacial Behavior of the Sodium Salt of Ibuprofen–BRIJ-58 in Aqueous/Brine Solutions. <i>Journal of Solution Chemistry</i> , 2016, 45, 791-803.   | 1.2  | 74        |
| 26 | Micellization behavior of cationic and anionic surfactant mixtures at different temperatures: Effect of sodium carbonate and sodium phosphate salts. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3967.   | 1.9  | 73        |
| 27 | Electrochemical determination of olmesartan medoxomil using hydrothermally prepared nanoparticles composed SnO <sub>2</sub> –Co <sub>3</sub> O <sub>4</sub> nanocubes in tablet dosage forms. <i>Talanta</i> , 2012, 99, 924-931.  | 5.5  | 72        |
| 28 | Effect of Sodium Taurocholate on Aggregation Behavior of Amphiphilic Drug Solution. <i>Tenside, Surfactants, Detergents</i> , 2015, 52, 464-472.   | 1.2  | 72        |
| 29 | Antidepressant drug amitriptyline hydrochloride (AMT) interaction with anionic surfactant sodium dodecyl sulfate in aqueous/brine/urea solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2016, 222, 1020-1030.  | 4.9  | 72        |
| 30 | An estimation of the effect of mono/poly-hydroxy organic compounds on the interaction of tetradecyltrimethylammonium bromide with levofloxacin hemihydrate antibiotic drug. <i>Journal of Molecular Liquids</i> , 2018, 269, 417-425.  | 4.9  | 72        |
| 31 | Acetone sensor based on solvothermally prepared ZnO doped with Co <sub>3</sub> O <sub>4</sub> nanorods. <i>Mikrochimica Acta</i> , 2013, 180, 675-685.   | 5.0  | 71        |
| 32 | Study of Mixed Micelles of Promethazine Hydrochloride (PMT) and Nonionic Surfactant (TX-100) Mixtures at Different Temperatures and Compositions. <i>Tenside, Surfactants, Detergents</i> , 2015, 52, 236-244.   | 1.2  | 70        |
| 33 | Mixed micellization between amphiphilic drug promethazine hydrochloride and cationic surfactant (conventional as well as gemini). <i>Journal of Molecular Liquids</i> , 2013, 177, 19-25.  | 4.9  | 69        |
| 34 | Experimental and theoretical approach to mixed surfactant system of cationic gemini surfactant with nonionic surfactant in aqueous medium. <i>Journal of Molecular Liquids</i> , 2014, 196, 14-20.   | 4.9  | 69        |
| 35 | Investigation of the Effect of Various Additives on the Clouding Behavior and Thermodynamics of Polyoxyethylene (20) Sorbitan Monooleate in Absence and Presence of Ceftriaxone Sodium Trihydrate Drug. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 1464-1474. | 1.9  | 69        |
| 36 | Micellization and interfacial behavior of binary and ternary mixtures in aqueous medium. <i>Journal of Molecular Liquids</i> , 2016, 216, 94-98.   | 4.9  | 68        |

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|----|--|-----|-----------|
| 37 | Kinetic study of nickel-glycylglycine with ninhydrin in alkanediyl- $\beta$ -gemini (m-s-m type) surfactant system. <i>Journal of Molecular Liquids</i> , 2017, 240, 253-257.  | 4.9 | 68        |
| 38 | Interaction between antidepressant drug and anionic surfactant in low concentration range in aqueous/salt/urea solution: A conductometric and fluorometric study. <i>Journal of Molecular Liquids</i> , 2017, 227, 1-14.                                       | 4.9 | 67        |
| 39 | Effect of coir fiber and TiC nanoparticles on basalt fiber reinforced epoxy hybrid composites: physico-mechanical characteristics. <i>Cellulose</i> , 2021, 28, 3451-3471.   | 4.9 | 67        |
| 40 | Cobalt doped antimony oxide nano-particles based chemical sensor and photo-catalyst for environmental pollutants. <i>Applied Surface Science</i> , 2012, 261, 52-58.   | 6.1 | 66        |
| 41 | Interaction of antipsychotic drug with novel surfactants: Micellization and binding studies. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 566-573.   | 3.5 | 66        |
| 42 | Mixed micellization study of dodecyltrimethylammonium chloride and cetyltrimethylammonium bromide mixture in aqueous/urea medium at different temperatures: Theoretical and experimental view. <i>Journal of Physical Organic Chemistry</i> , 2018, 31, e3872. | 1.9 | 65        |
| 43 | Analysis of surface and bulk properties of amphiphilic drug ibuprofen and surfactant mixture in the absence and presence of electrolyte. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 158-164.   | 5.0 | 64        |
| 44 | Physico-chemical Investigation of Mixed Micelle Formation Between Tetradecyltrimethylammonium Bromide and Dodecyltrimethylammonium Chloride in Water and Aqueous Solutions of Sodium Chloride. <i>Journal of Solution Chemistry</i> , 2017, 46, 682-703.       | 1.2 | 64        |
| 45 | Energetics of Clouding Phenomenon in Amphiphilic Drug Imipramine Hydrochloride with Pharmaceutical Excipients. <i>Pharmaceutical Chemistry Journal</i> , 2014, 48, 201-208.  | 0.8 | 63        |
| 46 | Study of the Interaction Between Promazine Hydrochloride and Surfactant (Conventional/Gemini) Mixtures at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2014, 43, 930-949.  | 1.2 | 63        |
| 47 | Micellization behavior of amphiphilic drug promazine hydrochloride and sodium dodecyl sulfate mixtures at various temperatures: Effect of electrolyte and urea. <i>Journal of Molecular Liquids</i> , 2015, 212, 532-543.                                      | 4.9 | 62        |
| 48 | Study of phospholipid-induced phase-separation in amphiphilic drugs. <i>Colloid Journal</i> , 2015, 77, 525-531.   | 1.3 | 61        |
| 49 | Effects of temperature and polyols on the ciprofloxacin hydrochloride-mediated micellization of sodium dodecyl sulfate. <i>RSC Advances</i> , 2020, 10, 14531-14541.   | 3.6 | 61        |
| 50 | Interaction of triblock-copolymer with cationic gemini and conventional surfactants: A physicochemical study. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1785-1791.   | 2.4 | 60        |
| 51 | Multi-technique approach towards amphiphilic drug-surfactant interaction: A physicochemical study. <i>Journal of Molecular Liquids</i> , 2017, 240, 189-195.   | 4.9 | 59        |
| 52 | Micellization and microstructural studies between amphiphilic drug ibuprofen with non-ionic surfactant in aqueous urea solution. <i>Journal of Chemical Thermodynamics</i> , 2014, 74, 91-102.   | 2.0 | 57        |
| 53 | Influence of antidepressant clomipramine hydrochloride drug on human serum albumin: Spectroscopic study. <i>Journal of Molecular Liquids</i> , 2017, 241, 91-98.   | 4.9 | 57        |
| 54 | Phase Separation and Thermodynamic Behavior of Triton X-100 in the Occurrence of Levofloxacin Hemihydrates: Influence of Additives. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 2750-2758.   | 1.9 | 57        |

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|----|--|-----|-----------|
| 55 | Study on the interaction between amphiphilic drug and bovine serum albumin: A thermodynamic and spectroscopic description. <i>Journal of Luminescence</i> , 2014, 155, 39-46.  | 3.1 | 55        |
| 56 | Influence of polyethylene glycol on the aggregation/clouding phenomena of cationic and non-ionic surfactants in attendance of electrolytes (NaCl & Na <sub>2</sub> SO <sub>4</sub> ): An experimental and theoretical analysis. <i>Journal of Molecular Liquids</i> , 2020, 306, 112880. | 4.9 | 55        |
| 57 | Mixed micelles of amphiphilic drug promethazine hydrochloride and surfactants (conventional and) Tj ETQq1 1 0.784314 rgBT /Overlo<br><i>Colloid and Interface Science</i> , 2011, 354, 700-708.  | 9.4 | 54        |
| 58 | Interaction of cetyltrimethylammonium bromide with drug in aqueous/electrolyte solution: A combined conductometric and molecular dynamics method study. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 159-167.  | 3.5 | 53        |
| 59 | Physicochemical Properties of Amphiphilic Drug and Anionic Surfactant Mixtures: Experimental and Theoretical Approach. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 521-531.  | 2.4 | 51        |
| 60 | Self-association behavior of an amphiphilic drug nortriptyline hydrochloride under the influence of inorganic salts. <i>Russian Journal of Physical Chemistry B</i> , 2016, 10, 1007-1013.   | 1.3 | 51        |
| 61 | Influence of salt and temperature on the interaction of bovine serum albumin with cetylpyridinium chloride: Insights from experimental and molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2018, 260, 121-130.  | 4.9 | 51        |
| 62 | Effect of salts and temperature on the interaction of levofloxacin hemihydrate drug with cetyltrimethylammonium bromide: Conductometric and molecular dynamics investigations. <i>Journal of Molecular Liquids</i> , 2017, 244, 512-520.   | 4.9 | 50        |
| 63 | Aggregation behaviour of amphiphilic drug and bile salt mixtures at different compositions and temperatures. <i>Journal of Chemical Thermodynamics</i> , 2013, 64, 28-39.  | 2.0 | 49        |
| 64 | Effect of different additives on the phase separation behavior and thermodynamics of p - tert -alkylphenoxy poly (oxyethylene) ether in absence and presence of drug. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 1110-1118.  | 3.5 | 48        |
| 65 | Investigation of aggregation behavior of ibuprofen sodium drug under the influence of gelatin protein and salt. <i>Journal of Molecular Liquids</i> , 2019, 290, 111187.   | 4.9 | 48        |
| 66 | Conductometric and molecular dynamics studies of the aggregation behavior of sodium dodecyl sulfate (SDS) and cetyltrimethylammonium bromide (CTAB) in aqueous and electrolytes solution. <i>Journal of Molecular Liquids</i> , 2019, 283, 263-275.                                      | 4.9 | 48        |
| 67 | Effect of temperature and salt/alcohol on the interaction of tetradecyltrimethylammonium bromide/Triton X-100 with moxifloxacin hydrochloride: A multitechnique approach. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 574-586.                                       | 2.4 | 48        |
| 68 | Influence of alcohols and varying temperatures on the interaction between drug ceftriaxone sodium trihydrate and surfactant: A multi-techniques study. <i>Journal of Molecular Liquids</i> , 2019, 292, 111322.  | 4.9 | 46        |
| 69 | Study of the reaction of ninhydrin with tyrosine in gemini micellar media. <i>RSC Advances</i> , 2019, 9, 22129-22136.   | 3.6 | 45        |
| 70 | Interaction of gelatin with promethazine hydrochloride: Conductimetry, tensiometry and circular dichroism studies. <i>Journal of Molecular Structure</i> , 2013, 1050, 35-42.  | 3.6 | 44        |
| 71 | Synergistic effect of an antipsychotic drug chlorpromazine hydrochloride with pluronic triblock copolymer: A physicochemical study. <i>Journal of Molecular Liquids</i> , 2018, 260, 159-165.  | 4.9 | 44        |
| 72 | Synthesis and Characterization of Dicationic Gemini Surfactant Micelles and their Effect on the Rate of Ninhydrinâ€“Copper-Peptide Complex Reaction. <i>Tenside, Surfactants, Detergents</i> , 2018, 55, 78-84.  | 1.2 | 44        |

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|----|---|------|-----------|
| 73 | Influence of alcohols/electrolytes on the interaction of reactive red dye with surfactant and removal of dye from solutions. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103364.  | 6.7  | 43        |
| 74 | Temperature Dependant Mixed Micellization Behavior of a Drug-AOT Mixture in an Aqueous Medium. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2014, 30, 699-707.  | 4.9  | 43        |
| 75 | Bile Salts Aggregation Behavior at Various Temperatures under the Influence of Amphiphilic Drug Imipramine Hydrochloride in Aqueous Medium. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, 747-767.   | 2.8  | 40        |
| 76 | Investigation of mixed micellization study of sodium dodecyl sulfate and tetradecyltrimethylammonium bromide mixtures at different compositions: Effect of electrolytes and temperatures. <i>Journal of Physical Organic Chemistry</i> , 2020, 33, e4047.   | 1.9  | 40        |
| 77 | Catalytic role of 16 <i>s</i> micelles on condensation reaction of ninhydrin and metal dipeptide complex. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3918.   | 1.9  | 39        |
| 78 | Dual nature, self oxidized poly(o-anisidine) functionalized multiwall carbon nanotubes composite: Preparation, thermal and electrical studies. <i>Composites Part B: Engineering</i> , 2014, 58, 451-456.   | 12.0 | 38        |
| 79 | Micellization and interfacial properties of cationic gemini surfactant (12 <i>s</i> ) in the presence of additives in aqueous electrolyte solution: A tensiometric study. <i>Journal of Molecular Liquids</i> , 2014, 191, 29-36.   | 4.9  | 38        |
| 80 | Experimental and theoretical investigation of micellization behavior of sodium dodecyl sulfate with cetyltrimethylammonium bromide in aqueous/urea solution at various temperatures. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 2269-2282.   | 2.7  | 38        |
| 81 | Interaction between copper(II) complex of glycyphenylalanine and ninhydrin in aqueous micellar solutions of gemini surfactants. <i>Journal of Molecular Liquids</i> , 2015, 212, 872-878.   | 4.9  | 37        |
| 82 | Cloud-Point Modulation of an Amphiphilic Drug with Pharmaceutical Excipients. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 5642-5652.  | 1.9  | 36        |
| 83 | Low dimensional Ni-ZnO nanoparticles as marker of toxic lead ions for environmental remediation. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1071-1078.  | 5.8  | 36        |
| 84 | Interaction between dipeptide (glycyl-phenylalanine) and ninhydrin: Role of CTAB and gemini (16-s-16,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>  | 9.45 | 35        |
| 85 | A study of interaction between antidepressant drug nortriptyline hydrochloride with gelatin. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2068-2074.  | 5.3  | 35        |
| 86 | Conductometric Probe Analysis of the Effect of Benzyltrimethylhexadecylammonium Chloride on the Micellization Behavior of Dodecyltrimethylammonium Bromide in Aqueous/Urea Solution: Investigation of Concentration and Temperature Effect. <i>Journal of Surfactants and Detergents</i> , 2018, 21, 231-246. | 2.1  | 35        |
| 87 | Synthesis and characterization of geminis and implications of their micellar solution on ninhydrin and metal amino acid complex. <i>Royal Society Open Science</i> , 2020, 7, 200775.   | 2.4  | 35        |
| 88 | Interaction of Chromium(III) Complex of Glycylphenylalanine with Ninhydrin in Aqueous and Cetyltrimethylammonium Bromide (CTAB) Micellar Media. <i>Tenside, Surfactants, Detergents</i> , 2014, 51, 157-163.  | 1.2  | 35        |
| 89 | Facile synthesis of doped ZnO-CdO nanoblocks as solid-phase adsorbent and efficient solar photo-catalyst applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2278-2286.  | 5.8  | 34        |
| 90 | Investigation of micellar and phase separation phenomenon of phenothiazine drug promazine hydrochloride with anionic hydrotropes. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2023-2034.   | 5.8  | 34        |

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|-----|--|-----|-----------|
| 91  | Effect of gelatin on micellization and microstructural behavior of amphiphilic amitriptyline hydrochloride drug solution: A detailed study. <i>Journal of Chemical Thermodynamics</i> , 2015, 89, 112-122.   | 2.0 | 34        |
| 92  | Kinetic and mechanistic investigations of [Zn (II)-Trp] and ninhydrin in aqueous and cationic CTAB surfactant. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3997.   | 1.9 | 34        |
| 93  | Self-association behavior of amitriptyline hydrochloride as a function of temperature and additive (inorganic salts and ureas) concentration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 87-94.   | 5.0 | 33        |
| 94  | Effect of Alkanediyl- $\beta$ -type Cationic Dimeric (Gemini) Surfactants on the Reaction Rate of Ninhydrin with [Cu(II)-Gly-Tyr] Complex. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 101-109.   | 2.1 | 33        |
| 95  | Influence of NaCl/urea on the aggregation behavior of dodecyltrimethylammonium chloride and sodium dodecyl sulfate at varying temperatures and compositions: Experimental and theoretical approach. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3917.                | 1.9 | 33        |
| 96  | Sol-gel synthesis and characterization of conducting polythiophene/tin phosphate nano tetrapod composite cation-exchanger and its application as Hg(II) selective membrane electrode. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 65, 160-169.                        | 2.4 | 32        |
| 97  | Effect of gemini (alkanediyl- $\beta$ -bis(dimethylcetylammmonium bromide)) (16-s-16, s=4, 5, 6) surfactants on the interaction of ninhydrin with chromium-glycylphenylalanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 288-294. | 3.9 | 32        |
| 98  | A dual-functional asymmetric squaraine-based low band gap hole transporting material for efficient perovskite solar cells. <i>Nanoscale</i> , 2016, 8, 6335-6340.  | 5.6 | 32        |
| 99  | Micellization Behavior of Butanediyl-1, 4-Bis(Dimethyldodecylammmonium Bromide) Gemini Surfactant in Presence of Organic Additives. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 83-93.   | 2.4 | 31        |
| 100 | Role of carbonate electrolytes on interaction of quinolone drug with anionic surfactant at various temperatures: A conductometric study. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, .  | 1.9 | 31        |
| 101 | Nitrophenol Chemi-Sensor and Active Solar Photocatalyst Based on Spinel Hetaerolite Nanoparticles. <i>PLoS ONE</i> , 2014, 9, e85290.  | 2.5 | 31        |
| 102 | Interaction of amphiphilic drug imipramine hydrochloride with gemini surfactants at different temperatures. <i>Journal of Molecular Liquids</i> , 2014, 194, 234-240.  | 4.9 | 30        |
| 103 | Kinetic study of ninhydrin with chromium (III)-glycylleucine in aqueous-alkanediyl- $\beta$ -bis(dimethylcetylammmonium bromide) gemini surfactants. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3946.   | 1.9 | 30        |
| 104 | Study of the interaction between ninhydrin and chromium(III)-amino acid in an aqueous-micellar system: Influence of gemini surfactant micelles. <i>Journal of Molecular Liquids</i> , 2020, 301, 112373.   | 4.9 | 30        |
| 105 | Aqueous amphiphilic drug (amitriptyline hydrochloride)-bile salt mixtures at different temperatures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 285-291.  | 5.0 | 29        |
| 106 | Micellization of mixtures of amphiphilic drugs and cationic surfactants: A detailed study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 16-24.  | 5.0 | 29        |
| 107 | Solution properties of phenothiazine drug promazine hydrochloride with cationic hydrotropes in aqueous/electrolyte solution at different temperature. <i>Journal of Physical Organic Chemistry</i> , 2016, 29, 476-489.  | 1.9 | 29        |
| 108 | Thermodynamic properties of ibuprofen sodium salt in aqueous/urea micellar solutions at 298.15 K. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 685-691.  | 0.6 | 29        |

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|-----|--|-----|-----------|
| 109 | Clouding and Thermodynamic Characteristics of Triton X-100 in the Presence of Ciprofloxacin Hydrochloride: Influence of Polyols. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4181-4188.  | 1.9 | 29        |
| 110 | Study of Reaction Rate between Zinc(II)-Histidine [Zn(II)-his] <sup>+</sup> Complex and Ninhydrin: Effect of Three Dicationic Gemini (Alkanediyl-1,1%-Type) Surfactants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 11072-11079.     | 3.7 | 29        |
| 111 | Influence of dimeric gemini surfactant micelles on the study of nickel-glycylleucine dipeptide and ninhydrin. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1559-1567.   | 2.4 | 28        |
| 112 | Interaction of crystal violet dye with dodecyltrimethylammonium bromide in aqueous and electrolyte medium at different temperatures. <i>Journal of Molecular Liquids</i> , 2021, 343, 117592.  | 4.9 | 28        |
| 113 | Self-Aggregation Phenomenon of Promazine Hydrochloride Under the Influence of Sodium Cholate/Sodium Deoxycholate in Aqueous Medium. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 450-463.   | 2.4 | 27        |
| 114 | Clouding phenomenon of amphiphilic drug promazine hydrochloride solutions: Influence of pharmaceutical excipients. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1119-1126.   | 5.8 | 26        |
| 115 | Impact of numerous media on association, interfacial, and thermodynamic properties of promethazine hydrochloride (PMT)-Benzethonium chloride (BTC) mixture of various composition. <i>Journal of Molecular Liquids</i> , 2022, 346, 118287.                  | 4.9 | 26        |
| 116 | Clouding and thermodynamic behavior of the triton X-100-Metformin hydrochloride drug mixture: Investigation of the impacts of potassium salts. <i>Journal of Molecular Liquids</i> , 2022, 354, 118853.  | 4.9 | 26        |
| 117 | Kinetics and Mechanistic Investigation of Decarboxylation for the Oxidation of Levofloxacin by Chloroamine-T in Acidic Medium. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 4819-4824.   | 3.7 | 25        |
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