Dileep Kumar

List of Publications by Citations

111 papers	2,604 citations	28 h-index	46 g-index
114 ext. papers	3,005 ext. citations	3.5 avg, IF	6.48 L-index

#	Paper	IF	Citations
111	Effect of anionic surfactant and temperature on micellization behavior of promethazine hydrochloride drug in absence and presence of urea. *Journal of Molecular Liquids*, **2017**, 238, 389-396	6	168
110	Association behavior of a mixed system of the antidepressant drug imipramine hydrochloride and dioctyl sulfosuccinate sodium salt: Effect of temperature and salt. *Journal of Molecular Liquids*, **2018**, 271, 254-264	6	149
109	Aggregation behavior of sodium salt of ibuprofen with conventional and gemini surfactant. *Journal of Molecular Liquids*, **2018**, 262, 86-96	6	112
108	Aggregation behavior of amphiphilic drug promazine hydrochloride and sodium dodecylbenzenesulfonate mixtures under the influence of NaCl/urea at various concentration and temperatures. *Journal of Physical Organic Chemistry*, **2016**, 29, 394-405	2.1	110
107	Mixed micellization study of ibuprofen (sodium salt) and cationic surfactant (conventional as well as gemini). *Journal of Physical Organic Chemistry*, **2018**, 31, e3730	2.1	106
106	Interaction of ninhydrin with chromium-glycylglycine complex in the presence of dimeric gemini surfactants. *Journal of Molecular Liquids*, **2018**, 250, 329-334	6	86
105	Studies of interaction between ninhydrin and Gly-Leu dipeptide: Influence of cationic surfactants (m-s-m type Gemini). *Journal of Molecular Liquids*, **2018**, 269, 1-7	6	84
104	Role of cetyltrimethylammonium bromide (CTAB) surfactant micelles on kinetics of [Zn(II)-Gly-Leu]+ and ninhydrin. *Journal of Molecular Liquids*, **2019**, 274, 639-645	6	81
103	Effect of Sodium Taurocholate on Aggregation Behavior of Amphiphilic Drug Solution. *Tenside, Surfactants, Detergents*, **2015**, 52, 464-472	1	70
102	Interaction of an Amphiphilic Drug and Sodium Bis(2-ethylhexyl)sulfosuccinate at Low Concentrations in the Absence and Presence of Sodium Chloride. *Journal of Solution Chemistry*, **2015**, 44, 1937-1961	1.8	69
101	Study of Mixed Micelles of Promethazine Hydrochloride (PMT) and Nonionic Surfactant (TX-100) Mixtures at Different Temperatures and Compositions. *Tenside, Surfactants, Detergents*, **2015**, 52, 236-244	1	66
100	Kinetic study of nickel-glycylglycine with ninhydrin in alkanediyl-□-gemini (m- s -m type) surfactant system. *Journal of Molecular Liquids*, **2017**, 240, 253-257	6	64
99	Study of the Interaction Between Promazine Hydrochloride and Surfactant (Conventional/Gemini) Mixtures at Different Temperatures. *Journal of Solution Chemistry*, **2014**, 43, 930-949	1.8	57
98	Micellization and microstructural studies between amphiphilic drug ibuprofen with non-ionic surfactant in aqueous urea solution. *Journal of Chemical Thermodynamics*, **2014**, 74, 91-102	2.9	52
97	Micellization behavior of cationic and anionic surfactant mixtures at different temperatures: Effect of sodium carbonate and sodium phosphate salts. *Journal of Physical Organic Chemistry*, **2019**, 32, e3967	2.1	50
96	Effects of temperature and polyols on the ciprofloxacin hydrochloride-mediated micellization of sodium dodecyl sulfate.. *RSC Advances*, **2020**, 10, 14531-14541	3.7	45
95	Synthesis and Characterization of Dicationic Gemini Surfactant Micelles and their Effect on the Rate of Ninhydrin□Copper-Peptide Complex Reaction. *Tenside, Surfactants, Detergents*, **2018**, 55, 78-84	1	42

94	Study of the reaction of ninhydrin with tyrosine in gemini micellar media.. *RSC Advances*, **2019**, 9, 22129-22136	3.7	41
93	Phase Separation and Thermodynamic Behavior of Triton X-100 in the Occurrence of Levofloxacin Hemihydrates: Influence of Additives. *Journal of Chemical & Engineering Data*, **2019**, 64, 2750-2758	2.8	39
92	Influence of polyethylene glycol on the aggregation/clouding phenomena of cationic and non-ionic surfactants in attendance of electrolytes (NaCl & Na2SO4): An experimental and theoretical analysis. *Journal of Molecular Liquids*, **2020**, 306, 112880	6	39
91	Temperature Dependant Mixed Micellization Behavior of a Drug-AOT Mixture in an Aqueous Medium. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2014**, 30, 699-707	3.8	37
90	Catalytic role of 16-s-16 micelles on condensation reaction of ninhydrin and metal-dipeptide complex. *Journal of Physical Organic Chemistry*, **2019**, 32, e3918	2.1	33
89	Interaction between dipeptide (glycyl-phenylalanine) and ninhydrin: role of CTAB and gemini (16-s-16, s=4, 5, 6) surfactant micelles. *Journal of Colloid and Interface Science*, **2014**, 418, 324-9	9.3	32
88	Effect of gemini (alkanediyl-□bis(dimethylcetylammonium bromide)) (16-s-16, s=4, 5, 6) surfactants on the interaction of ninhydrin with chromium-glycylphenylalanine. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 132, 288-94	4.4	31
87	Interaction between copper(II) complex of glycylphenylalanine and ninhydrin in aqueous□micellar solutions of gemini surfactants. *Journal of Molecular Liquids*, **2015**, 212, 872-878	6	31
86	Investigation of mixed micellization study of sodium dodecyl sulfate and tetradecyltrimethylammonium bromide mixtures at different compositions: Effect of electrolytes and temperatures. *Journal of Physical Organic Chemistry*, **2020**, 33, e4047	2.1	30
85	Interaction of Chromium(III) Complex of Glycylphenylalanine with Ninhydrin in Aqueous and Cetyltrimethylammonium Bromide (CTAB) Micellar Media. *Tenside, Surfactants, Detergents*, **2014**, 51, 157-163	1	30
84	Effect of Alkanediyl-□Type Cationic Dimeric (Gemini) Surfactants on the Reaction Rate of Ninhydrin with [Cu(II)-Gly-Tyr]+ Complex. *Journal of Surfactants and Detergents*, **2016**, 19, 101-109	1.9	28
83	Kinetic and mechanistic investigations of [Zn (II)-Trp]+ and ninhydrin in aqueous and cationic CTAB surfactant. *Journal of Physical Organic Chemistry*, **2019**, 32, e3997	2.1	28
82	Synthesis and characterization of geminis and implications of their micellar solution on ninhydrin and metal amino acid complex. *Royal Society Open Science*, **2020**, 7, 200775	3.3	28
81	Kinetic study of ninhydrin with chromium (III)-glycylleucine in aqueous□alkanediyl-□bis (dimethylcetylammonium bromide) gemini surfactants. *Journal of Physical Organic Chemistry*, **2019**, 32, e3946	2.1	28
80	Influence of cationic gemini and conventional CTAB on the interaction of [Cr(III)-Gly-Tyr]2+ complex with ninhydrin. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 428, 92-99	5.1	25
79	Study of the interaction between ninhydrin and chromium(III)-amino acid in an aqueous-micellar system: Influence of gemini surfactant micelles. *Journal of Molecular Liquids*, **2020**, 301, 112373	6	25
78	Study of Reaction Rate between Zinc(II)□Histidine [Zn(II)□is]+ Complex and Ninhydrin: Effect of Three Dicationic Gemini (Alkanediyl-□Type) Surfactants. *Industrial & Engineering Chemistry Research*, **2020**, 59, 11072-11079	3.9	24
77	Influence of alcohols and varying temperatures on the interaction between drug ceftriaxone sodium trihydrate and surfactant: A multi-techniques study. *Journal of Molecular Liquids*, **2019**, 292, 111322	6	24

76	Role of gemini surfactants (m-s-m type; m = 16, s = 4) on the reaction of [Zn(II)-Gly-Phe]+ with ninhydrin. *Journal of Physical Organic Chemistry*, **2014**, 27, 729-734	2.1	24
75	Influence of dimeric gemini surfactant micelles on the study of nickel-glycylleucine dipeptide and ninhydrin. *Journal of Dispersion Science and Technology*, **2020**, 41, 1559-1567	1.5	24
74	Clouding phenomenon of amphiphilic drug promazine hydrochloride solutions: Influence of pharmaceutical excipients. *Journal of Industrial and Engineering Chemistry*, **2015**, 21, 1119-1126	6.3	22
73	Conductivity, cloud point and molecular dynamics investigations of the interaction of surfactants with ciprofloxacin hydrochloride drug: Effect of electrolytes. *Journal of Molecular Liquids*, **2021**, 322, 114683	6	21
72	Dipeptide Glycyl-Glycine (Gly-Gly) Ninhydrin Reaction: Effect of Alkanediyl- bis(dimethylcetylammonium bromide) (16-s-16, s = 4, 5, 6) Gemini Surfactants on the Reaction Rate. *Tenside, Surfactants, Detergents*, **2016**, 53, 168-175	1	20
71	Mixed micellization of gemini surfactant with nonionic surfactant in aqueous media: a fluorometric study. *Colloid Journal*, **2013**, 75, 235-240	1.1	19
70	Effect of dicationic gemini surfactants 16 -16 (s = 4, 5, 6) on the ninhydrin-dipeptide (glycyl-tyrosine) reaction. *International Journal of Chemical Kinetics*, **2012**, 44, 800-809	1.4	19
69	Micelle-catalyzed reaction between ninhydrin and nickel dipeptide complex [Ni(II)-Gly-Tyr]+. *Colloids and Surfaces B: Biointerfaces*, **2012**, 94, 220-5	6	19
68	Influence of dicationic quaternary ammonium gemini surfactant system on metal-amino acid complex-ninhydrin reaction. *Materials Chemistry and Physics*, **2020**, 248, 122926	4.4	18
67	Interaction of cephalexin monohydrate with surfactants in aqueous and sodium chloride solution at variable temperatures: Conductivity and spectroscopic measurements. *Journal of Molecular Liquids*, **2021**, 326, 115337	6	18
66	Catalytic influence of 16--16 gemini surfactants on the rate constant of histidine and ninhydrin. *Royal Society Open Science*, **2020**, 7, 191648	3.3	17
65	Role of carbonate electrolytes on interaction of quinolone drug with anionic surfactant at various temperatures: A conductometric study. *Journal of Physical Organic Chemistry*, **2021**, 34,	2.1	17
64	Interaction of Metal Ion-Coordinated Dipeptide Complex and Ninhydrin in the Alkanediyl- bis-Type Gemini Surfactant System. *Journal of Surfactants and Detergents*, **2019**, 22, 1299-1308	1.9	16
63	Catalytic Behavior of a Series of Cationic Gemini (16-s-16 Type, s = 4, 5, 6) and CTAB Surfactants on the Reaction of Ninhydrin with [Ni(II)-Gly-Phe]+. *Journal of Solution Chemistry*, **2014**, 43, 648-660	1.8	16
62	Catalytic effect of CTAB on the interaction of dipeptide glycyl-tyrosine (Gly-Tyr) with ninhydrin. *Journal of Saudi Chemical Society*, **2014**, 18, 520-527	4.3	16
61	Effect of salt and urea on complexation behavior of pharmaceutical excipient gelatin with phenothiazine drug promazine hydrochloride. *Journal of Molecular Liquids*, **2015**, 208, 84-91	6	15
60	Kinetic study of the metal-dipeptide complex with ninhydrin facilitated by gemini (m-s-m) surfactant micelles. *Scientific Reports*, **2020**, 10, 4088	4.9	15
59	Interaction of ninhydrin with zinc(II) complex of tryptophan in the three dicationic gemini surfactants. *Colloid and Polymer Science*, **2019**, 297, 1519-1527	2.4	14

58	Effect of Organic Additives on the Phase Separation Phenomenon of Amphiphilic Drug Solutions. *Journal of Surfactants and Detergents*, **2012**, 15, 765-775	1.9	14
57	Study of Zinc-glycylglycine Complex with Ninhydrin in Aqueous and Cationic Micellar Media: A Spectrophotometric Technique. *Tenside, Surfactants, Detergents*, **2019**, 56, 312-318	1	13
56	Influence of electrolytes on the cloud point phenomenon of tween-80+lomefloxacin hydrochloride mixtures and their thermodynamic parameters. *Journal of Molecular Liquids*, **2020**, 318, 113999	6	13
55	Study of metal-amino acid [Cr(III)-Trp]2+ complex and ninhydrin reaction: role of gemini micellar solution on rate constant. *Molecular Physics*, **2021**, 119, e1817595	1.7	13
54	Kinetic and Mechanistic Studies on [Zn(II)-Gly-Phe]+–Ninhydrin Reaction in Aqueous and Cationic CTAB Surfactant Micelles. *Journal of Dispersion Science and Technology*, **2014**, 35, 1709-1716	1.5	12
53	Effect of temperature and solvent compositions on the aggregation and thermodynamic properties of the polyvinyl alcohol + tetradecyltrimethylammonium bromide mixture in aqua-organic mixed media. *Molecular Physics*, **2021**, 119, e1892848	1.7	12
52	Study of copper(II)–glycylphenylalanine complex with ninhydrin in aqueous and cationic CTAB micellar media: A kinetic and mechanistic approach. *Journal of Molecular Liquids*, **2015**, 203, 204-209	6	11
51	Aggregation, interaction and thermodynamic characteristics of cationic surfactant + moxifloxacin hydrochloride mixture in aquatic solutions of mono-/di-hydroxy compounds. *Molecular Physics*, **2021**, 119, e1849839	1.7	11
50	Analysis of interaction between glutamic acid and ninhydrin in the presence of acetate buffer solvent: Impact of gemini (twin-headed) surfactants. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 626, 127061	5.1	11
49	Synthesis and characterization of cationic quaternary ammonium geminis (16–16) and their role in ninhydrin–[Cu(II)–His]+ reaction. *Chemical Engineering Communications*, **2020**, 1-11	2.2	10
48	A simulation study of self-assembly behaviors and micellization properties of mixed ionic surfactants. *Journal of Molecular Liquids*, **2021**, 336, 116003	6	10
47	Zinc dipeptide complex ([Zn(II)–Gly–Tyr]+)–ninhydrin reaction in the presence of gemini surfactants: A kinetic study. *Journal of Molecular Liquids*, **2013**, 188, 61-66	6	9
46	Alkanediyl-α-type gemini micelles–catalyzed study between ninhydrin and [Ni(II)-Trp]+ complex. *Colloid and Polymer Science*, **2020**, 298, 1411-1421	2.4	9
45	Influence of Cationic Cetyltrimethylammonium Bromide on Rate of Zn(II)-Histidine Complex and Ninhydrin. *Journal of Oleo Science*, **2019**, 68, 1231-1240	1.6	9
44	Interaction of tetradecyltrimethylammonium bromide with bovine serum albumin in different compositions: Effect of temperatures and electrolytes/urea. *Chinese Journal of Chemical Engineering*, **2021**, 29, 279-287	3.2	9
43	Interaction of Metal–Dipeptide Complex with Ninhydrin in the Absence and Presence of Conventional CTAB Surfactant. *Journal of Dispersion Science and Technology*, **2015**, 36, 1657-1664	1.5	8
42	Spectroscopic and Conductometric Analyses of Ninhydrin and Threonine Reaction in Double-Headed Geminis. *Industrial & Engineering Chemistry Research*, **2021**, 60, 14977-14984	3.9	8
41	Influence of electrolytes on the clouding and thermodynamic nature of non-ionic surfactant in the presence of an antibiotic drug. *Physics and Chemistry of Liquids*, **2020**, 1-14	1.5	8

40	Interfacial and spectroscopic behavior of phenothiazine drug/bile salt mixture in urea solution. *Chemical Papers*, **2021**, 75, 3949-3956	1.9	8
39	Interaction of metformin hydrochloride with ionic surfactants in aqueous and NaCl solution: Effect of temperatures and compositions. *Journal of Physical Organic Chemistry*, **2021**, 34, e4166	2.1	7
38	Anionic micelles and their ideal binary mixture: Worth media for sustainable oxidation of hydrophobic alcohol. *Journal of Molecular Liquids*, **2021**, 346, 117118	6	7
37	Micellization Behavior of Antidepressant Imipramine Hydrochloride Drug and Hydrotrope (Sodium Tosylate) Mixtures at Different Compositions and Temperatures in Different Media. *Journal of Chemical & Engineering Data*, **2020**, 65, 2659-2672	2.8	6
36	Influences of alcohol and diol on the aggregation behaviour, modes of interaction and the thermodynamic properties of the mixture of bromocresol green dye and sodium dodecyl sulphate at numerous temperatures. *Molecular Physics*, **2021**, e1925364	1.7	6
35	Clouding phenomena and thermodynamics of TX-100 + polyethylene glycol mixture: influence of several electrolytes. *Chemical Papers*, **2021**, 75, 1363-1375	1.9	6
34	Influence of solvent permittivity and divalent salt on micellization behavior of sodium dodecyl sulfate: Conductivity measurements and simulation study. *Journal of Molecular Liquids*, **2021**, 349, 118186	6	5
33	Interactions between promethazine hydrochloride drug and sodium benzoate hydrotrope mixtures in various solvent media at different temperatures. *Journal of Molecular Liquids*, **2021**, 325, 115188	6	5
32	Role of dimeric gemini surfactant system on kinetic study of alanine amino acid with ninhydrin reaction. *Colloid and Polymer Science*, **2021**, 299, 1285-1294	2.4	5
31	The influence of organic and inorganic additives on the polymer mediated phase separation of Triton X-100. *Journal of Molecular Liquids*, **2021**, 335, 116182	6	5
30	Aggregational behaviour of promethazine hydrochloride and TX-45 surfactant mixtures: A multi-techniques approach. *Journal of Molecular Liquids*, **2021**, 342, 117558	6	5
29	Effect of amphiphilic drugs on the cloud point of hydroxypropylmethyl cellulose: Modulation with salt excipients. *Journal of Molecular Liquids*, **2014**, 194, 1-7	6	4
28	Deficit of p66ShcA restores redox-sensitive stress response program in cisplatin-induced acute kidney injury. *Experimental and Molecular Pathology*, **2013**, 94, 445-52	4.4	4
27	Analysis of Mixed Micellar Behavior of Promazine Hydrochloride with Surfactants in Aqueous Medium at Different Temperatures and Compositions. *Zeitschrift Fur Physikalische Chemie*, **2013**, 130422000216009	3.1	4
26	Impact of numerous media on association, interfacial, and thermodynamic properties of promethazine hydrochloride (PMT)+benzethonium chloride (BTC) mixture of various composition. *Journal of Molecular Liquids*, **2022**, 346, 118287	6	4
25	Investigation of the effect of temperature and electrolytes on the physicochemical parameters for the self-assembly of dodecyltrimethylammonium bromide. *Chemical Papers*,1	1.9	4
24	Impact of salts on the phase separation and thermodynamic properties of mixed nonionic surfactants in absence/attendance of polyvinyl alcohol. *Zeitschrift Fur Physikalische Chemie*, **2021**,	3.1	4
23	A conductivity and cloud point investigation of interaction of cationic and non-ionic surfactants with sodium carboxymethyl cellulose: effect of polyols and urea. *Chemical Papers*, **2021**, 75, 3457-3468	1.9	4

22	Effects of various media on micellization, adsorption and thermodynamic behaviour of imipramine hydrochloride and antimicrobial surfactant mixtures.. *Royal Society Open Science*, **2021**, 8, 211527	3.3	3
21	Salt Effect on the Cloud Point Phenomenon of Amphiphilic Drug-Hydroxypropylmethyl Cellulose System. *Journal of Chemistry*, **2014**, 2014, 1-8	2.3	2
20	Investigation of Solution Behavior of Antidepressant Imipramine Hydrochloride Drug and Non-Ionic Surfactant Mixture: Experimental and Theoretical Study. *Polymers*, **2021**, 13,	4.5	2
19	Effect of Novel Surfactant on the Growth Kinetics of Cobalt Nanoparticles. *Tenside, Surfactants, Detergents*, **2017**, 54, 448-452	1	2
18	Micellization, interaction and thermodynamics behavior of BSA□+□SDS mixture in aqua-organic mixed solvent: Influences of temperature and solvent composition. *Journal of Molecular Liquids*, **2021**, 344, 117770	6	2
17	Effect of low levels of hydrotropes on micellization of phenothiazine drug. *Korean Journal of Chemical Engineering*, **2021**, 38, 386-399	2.8	2
16	Effect of Temperature and Additives on the Interaction of Ciprofloxacin Hydrochloride Drug with Polyvinylpyrrolidone and Bovine Serum Albumin: Spectroscopic and Molecular Docking Study. *Journal of Oleo Science*, **2021**, 70, 397-407	1.6	2
15	Assembly behaviour and thermodynamics of the mixture of cetyltrimethylammonium bromide and bovine serum albumin in aqueous and aqua-ethylene glycol mixed solvents media at several temperatures. *Molecular Physics*,	1.7	2
14	Phase separation and conductivity studies on the interaction of promethazine hydrochloride drug with cationic and nonionic surfactants: influences of salts and temperature. *Journal of Molecular Liquids*, **2022**, 119325	6	2
13	Physico-chemical and spectroscopic investigation of flavonoid dispersed C TAB micelles.. *Royal Society Open Science*, **2022**, 9, 210758	3.3	1
12	A UV□isible and conductometric studies on the analyses of valine and ninhydrin reaction in aqueous-surfactant solutions of dicationic geminis (n-s-n type). *Journal of Molecular Liquids*, **2022**, 350, 118587	6	1
11	Advancement of Cu(III) and Fe(III) directed oxidative transformations: Recent impact of aqueous micellar environment. *Journal of Molecular Liquids*, **2021**, 347, 117993	6	1
10	Interaction of cationic surfactant with acid yellow dye in absence/presence of organic and inorganic additives: conductivity and dye solubilization methods. *Zeitschrift Fur Physikalische Chemie*, **2021**,	3.1	1
9	Interaction of methylene blue with SDS in the premicellar solution of CPC in the aqueous and methanol-water system. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 648, 129091	5.1	1
8	Catalytic impact of twin headed geminis in study of ninhydrin with aspartic acid in an acetate buffer system. *Journal of Molecular Liquids*, **2022**, 359, 119324	6	1
7	Thermodynamics of trimethyltetradecylammonium bromide □sodium deoxycholate binary mixed micelle formation in aqueous solution: Regular Solution Theory with mutual compensation of excess configurational and excess conformational entropy. *Journal of Molecular Liquids*, **2022**, 119473	6	1
6	Effect of dicationic gemini surfactants on the rate of reaction between ninhydrin and arginine. *Chemical Papers*,1	1.9	0
5	Deciphering the role of alkyl chain length on interaction study of antidepressant drug-cationic surfactants in imidazolium based ionic liquid. *Journal of the Iranian Chemical Society*,1	2	0

4	Stability constants and thermodynamic behaviour of the complex formation of two crown ethers with zinc (II) and copper (II) ions in water + acetonitrile mixed solvent: a conductivity measurement study. *Physics and Chemistry of Liquids*,1-15	1.5	0
3	Aggregation and thermodynamic study of bovine serum albumin + cationic surfactant mixture in short chain alcoholic media: Effect of composition and temperature. *Journal of Saudi Chemical Society*, **2022**, 26, 101451	4.3	0
2	Modes of interaction and thermodynamic behavior of aggregation of CTAB + BSA mixtures in diols media: effects of diols composition and temperature. *Chemical Engineering Communications*,1-12	2.2	0
1	Catalytic impacts of cationic twin headed and tailed gemini surfactants toward study of glycine and ninhydrin in sodium acetate-acetic acid buffer system. *Journal of Molecular Liquids*, **2022**, 360, 119442	6	0