

Sabita Patel

List of Publications by Citations

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46
papers

2,422
citations

18
h-index

49
g-index

53
ext. papers

2,649
ext. citations

4
avg, IF

5
L-index

#	Paper	IF	Citations
46	Chemical modification of silica surface by immobilization of functional groups for extractive concentration of metal ions. <i>Talanta</i> , 2004 , 62, 1005-28	6.2	727
45	Adsorption of organic molecules on silica surface. <i>Advances in Colloid and Interface Science</i> , 2006 , 121, 77-110	14.3	506
44	Oxidation by permanganate: synthetic and mechanistic aspects. <i>Tetrahedron</i> , 2009 , 65, 707-739	2.4	180
43	Clouding behaviour in surfactant systems. <i>Advances in Colloid and Interface Science</i> , 2011 , 162, 59-79	14.3	130
42	Synthesis and characterization of nanosilica prepared by precipitation method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 240, 173-178	5.1	112
41	Organically modified silica: synthesis and applications due to its surface interaction with organic molecules. <i>Advances in Colloid and Interface Science</i> , 2008 , 140, 77-94	14.3	86
40	Syntheses of cyanines: a review. <i>Tetrahedron</i> , 2012 , 68, 781-805	2.4	78
39	Cetyltrimethylammonium dichromate: a mild oxidant for coupling amines and thiols. <i>Tetrahedron Letters</i> , 2004 , 45, 1371-1372	2	69
38	Oxidation of thiourea and substituted thioureas: a review. <i>Journal of Sulfur Chemistry</i> , 2011 , 32, 171-197	2.3	64
37	Chromium(VI) oxidants having quaternary ammonium ions: studies on synthetic applications and oxidation kinetics. <i>Tetrahedron</i> , 2007 , 63, 4367-4406	2.4	48
36	Reversal in solvatochromism in some novel styrylpyridinium dyes having a hydrophobic cleft. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 68, 757-62	4.4	42
35	Oxidation of alcohol by lipophilic Cr(VI): a mechanistic study. <i>Journal of Organic Chemistry</i> , 2006 , 71, 6759-66	4.2	39
34	Preferential solvation of styrylpyridinium dyes in binary mixtures of alcohols with hexane, dioxane, and dichloromethane. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 99-108	3.4	31
33	Dye-surfactant interaction: solubilization of styryl pyridinium dyes of varying alkyl chain in alpha-olefinic sulfonate and linear alkyl benzene sulfonate solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 169, 253-260	4.7	31
32	Selective Oxidation of Arylaldoximes by Cetyltrimethylammonium Dichromate to Arylaldehydes and Arylnitriles. <i>Synthetic Communications</i> , 2005 , 35, 3123-3126	1.7	24
31	Oxidation of cholesterol by a biomimetic oxidant, cetyltrimethylammonium dichromate. <i>Journal of Organic Chemistry</i> , 2006 , 71, 3522-6	4.2	24
30	Solvatochromism of some hemicyanines. <i>Journal of Molecular Liquids</i> , 2013 , 177, 335-342	6	21

29	Cyanine Dyes - Nucleic Acids Interactions. <i>Current Organic Chemistry</i> , 2011 , 15, 2673-2689	1.7	18
28	Preferential solvation of p-nitroaniline in a binary mixture of chloroform and hydrogen bond acceptor solvents: the role of specific solute-solvent hydrogen bonding. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3545-3562	3.6	17
27	Cetyltrimethylammonium Dichromate: A Phase-Transferring Oxidant. <i>Synthetic Communications</i> , 2005 , 35, 1033-1037	1.7	16
26	Effect of temperature on pseudoternary system Tween-80-butanol-hexane-water. <i>Journal of Colloid and Interface Science</i> , 2011 , 355, 157-63	9.3	15
25	A styrylpyridinium dye as chromogenic and fluorogenic dual mode chemosensor for selective detection of mercuric ion: Application in bacterial cell imaging and molecular logic gate. <i>Dyes and Pigments</i> , 2020 , 174, 108054	4.6	14
24	Temperature Induced Emulsification and Demulsification of Pseudoternary Mixtures of Tween80ButanolKeroseneWater System. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 11889-11896	3.9	13
23	Preferential solvation through selective functional group recognition in p-nitroaniline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 219, 76-83	4.7	12
22	Efficient near ultraviolet emissive (CIEy <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16834-16844	7.1	11
21	Novel imidazole-alkyl spacer-carbazole based fluorophores for deep-blue organic light emitting diodes: Experimental and theoretical investigation. <i>Dyes and Pigments</i> , 2021 , 185, 108853	4.6	11
20	Oxidation of Epinephrine to Adrenochrome by Cetyltrimethylammonium Dichromate: A Mechanistic Study. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 12249-12256	3.9	10
19	Oxidative degradation of norfloxacin by a lipophilic oxidant, cetyltrimethylammonium permanganate in water/acetonitrile medium: A kinetic and mechanistic study. <i>Journal of Molecular Liquids</i> , 2015 , 209, 327-335	6	9
18	A novel lipopathic Cr(VI) oxidant for organic substrates: Kinetic study of oxidation of benzyl alcohol. <i>International Journal of Chemical Kinetics</i> , 2006 , 38, 651-656	1.4	8
17	Deep-blue emitters (CIEy ~0.07) based on phenanthroimidazole: Remarkable substitution effects at the N1 position of imidazole on the excited states and electroluminescence properties. <i>Dyes and Pigments</i> , 2021 , 196, 109791	4.6	8
16	Oxidation of Arylthiourea by Cetyltrimethylammonium Dichromate. <i>Synthetic Communications</i> , 2010 , 40, 3268-3273	1.7	6
15	Alkylation of Ethanolamines: An Approach to a Novel Class of Functional Surfactants. <i>Synthetic Communications</i> , 2009 , 39, 2529-2539	1.7	6
14	Oxidation Kinetics of Simvastatin Using Cetyltrimethylammonium Dichromate. <i>International Journal of Chemical Kinetics</i> , 2013 , 45, 236-242	1.4	5
13	Oxidative Cleavage of Acetaminophen by Cetyltrimethylammonium Dichromate: A Mechanistic Study. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 13645-13653	3.9	5
12	Oxidation of Carbamazepine by Lipopathic Mn(VII), Cetyltrimethylammonium Permanganate: A Mechanistic Study. <i>International Journal of Chemical Kinetics</i> , 2015 , 47, 429-438	1.4	4

11	D- π A Molecular Probe to Unveil the Role of Solute-Solvent Hydrogen Bonding in Solvatochromism, Location Specific Preferential Solvation and Synergistic Effect in Binary Mixtures. <i>ChemistrySelect</i> , 2020 , 5, 3551-3566	1.8	4
10	Quantitative structure property relationship for Henry's law constant of some alkane isomers. <i>Thermochimica Acta</i> , 2011 , 512, 273-277	2.9	4
9	Temperature-induced phase separation in pseudoternary mixtures of Triton X-100/Butanol/Kerosene/Water. <i>Soft Materials</i> , 2016 , 14, 107-116	1.7	3
8	Oxidation of Antitubercular Drug Isoniazid by a Lipophilic Oxidant, Cetyltrimethylammonium Dichromate: A Mechanistic Study. <i>International Journal of Chemical Kinetics</i> , 2016 , 48, 32-44	1.4	3
7	An Azo Dye Based D- π A Chromogenic Probe for Selective Naked-Eye Detection of Hg ²⁺ Ion: Application in Logic Gate Operation. <i>ChemistrySelect</i> , 2020 , 5, 4803-4815	1.8	2
6	Self-Organized Assemblies of Surfactants Derived from Ethanolamines. <i>Journal of Dispersion Science and Technology</i> , 2012 , 33, 881-886	1.5	2
5	Deoxygenation by cetyltrimethylammonium dichromate: A kinetic study. <i>International Journal of Chemical Kinetics</i> , 2011 , 43, 482-488	1.4	2
4	Cetyltrimethylammonium Dichromate: A Mild Oxidant for Coupling Amines and Thiols. <i>ChemInform</i> , 2004 , 35, no		1
3	Acenaphthene-triphenylamine (acceptor-donor) based luminophores for organic light emitting diodes: combined experimental and theoretical study. <i>Materials Advances</i> , 2022 , 3, 399-408	3.3	0
2	Mild donor- π mild acceptor (mD- π mA) benzimidazole-based deep blue fluorophores with hybridized local and charge transfer (HLCT) excited states for OLEDs. <i>Journal of Information Display</i> , 2022 , 14, 1-14	4.1	0
1	An analysis on the transmission of electron density through sulphur atoms in the quaternization reactions of benzothiazoles. <i>Journal of Chemical Sciences</i> , 2002 , 114, 55-60	1.8	