Sukalyan Dash

List of Publications by Year
in descending order

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32 papers	1,607 citations	686830 13 h-index	414034 32 g-index
35 all docs	35 docs citations	35 times ranked	2328 citing authors

#	Article	IF	Citations
1	Adsorption of organic molecules on silica surface. Advances in Colloid and Interface Science, 2006, 121, 77-110.	7.0	569
2	Oxidation by permanganate: synthetic and mechanistic aspects. Tetrahedron, 2009, 65, 707-739.	1.0	221
3	Clouding behaviour in surfactant systems. Advances in Colloid and Interface Science, 2011, 162, 59-79.	7.0	156
4	Sorption on eggshell wasteâ€"A review on ultrastructure, biomineralization and other applications. Advances in Colloid and Interface Science, 2014, 209, 49-67.	7.0	133
5	Syntheses of cyanines: a review. Tetrahedron, 2012, 68, 781-805.	1.0	106
6	Organically modified silica: Synthesis and applications due to its surface interaction with organic molecules. Advances in Colloid and Interface Science, 2008, 140, 77-94.	7.0	101
7	Reversal in solvatochromism in some novel styrylpyridinium dyes having a hydrophobic cleft. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 757-762.	2.0	48
8	Preferential Solvation of Styrylpyridinium Dyes in Binary Mixtures of Alcohols with Hexane, Dioxane, and Dichloromethane. Journal of Physical Chemistry B, 2011, 115, 99-108.	1.2	35
9	Verification of corrosion inhibition of Mild steel by some 4-Aminoantipyrine-based Schiff bases â€" Impact of adsorbate substituent and cross-conjugation. Journal of Molecular Liquids, 2021, 333, 115960.	2.3	35
10	Mn(VII) oxidation using cetyltrimethylammonium permanganate: Self-oxidation of CTAP and oxidation of benzyl alcohol. International Journal of Chemical Kinetics, 1995, 27, 627-635.	1.0	20
11	Tween-80â€"n-Butanolâ€"Dieselâ€"Water Microemulsion Systemâ€"A Class of Alternative Diesel Fuel. Journal of Dispersion Science and Technology, 2014, 35, 1492-1501.	1.3	20
12	Effect of temperature on pseudoternary system Tween-80â€"butanolâ€"hexaneâ€"water. Journal of Colloid and Interface Science, 2011, 355, 157-163.	5.0	17
13	Temperature Induced Emulsification and Demulsification of Pseudoternary Mixtures of Tween80â€"Butanolâ€"Keroseneâ€"Water System. Industrial & Engineering Chemistry Research, 2011, 50, 11889-11896.	1.8	14
14	Eggshell Particles (ESP) as Potential Adsorbent for Styryl Pyridinium Dyesâ€"A Kinetic and Thermodynamic Study. Journal of Dispersion Science and Technology, 2012, 33, 1012-1020.	1.3	14
15	Oxidation of Styrylpyridinium Dyes by Permanganate Ion. Bulletin of the Chemical Society of Japan, 1994, 67, 3289-3296.	2.0	13
16	Tween-80â€"n-butanol/isobutanolâ€"(Diesel+Kerosene)â€"Water microemulsions â€" Phase behavior and fuel applications. Fuel, 2016, 171, 87-93.	3.4	13
17	Alkylation of Ethanolamines: An Approach to a Novel Class of Functional Surfactants. Synthetic Communications, 2009, 39, 2529-2539.	1.1	11
18	A spectrophotometric study of impact of solvent, substituent and cross-conjugation in some 4-aminoantipyrine based Schiff bases. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 233, 118231.	2.0	11

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19	Adsorption of Some Tailor-Made Styrylpyridinium Dyes on Sodium Dodecylsulphate-Treated Eggshell Particles (SDS-ESP): Impact of Dye Chain-Length and Substituent. Journal of Dispersion Science and Technology, 2013, 34, 898-907.	1.3	10
20	Amino Acid Modified Eggshell Powder (AA-ESP)â€"A Novel Bio-Solid Scaffold for Adsorption of Some Styrylpyridinium Dyes. Journal of Dispersion Science and Technology, 2013, 34, 1099-1112.	1.3	9
21	Tuning commercial diesel to microemulsified and blended form: phase behavior and implications. Journal of Dispersion Science and Technology, 2019, 40, 1159-1168.	1.3	8
22	Efficient adsorption of some substituted styrylpyridinium dyes on silica surface from organic solvent media â€“ Analysis of adsorption-solvation correlation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126847.	2.3	8
23	Î²-CD assisted dissolution of quaternary ammonium permanganates in aqueous medium. Carbohydrate Polymers, 2014, 111, 806-812.	5.1	5
24	Solvatochromic behavior of some Î±-styrylpyridinium dyes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 422-430.	2.0	5
25	Solvation studies of some tailor made Î±-N,N-dimethylaminostyryl-N-alkyl pyridinium dyes in binary solvent mixtures containing alcohols, hexane, 1,4-dioxane, DCM and acetone. Journal of Molecular Liquids, 2015, 206, 29-38.	2.3	5
26	Biodegradable superabsorbent with potential biomedical application as drug delivery system of â€œpectin-g-P(AN-co-AM)/chicken eggshellâ€•bio-composite. Polymer Bulletin, 2021, 78, 6337-6349.	1.7	4
27	Optical and dielectric properties of n-type polycrystalline gallium ferrite (GaFeO3) thin films on Pt/Si substrates. Emergent Materials, 0, , 1.	3.2	4
28	UVâ€“Vis spectrophotometric studies of self-oxidation/dissociation of quaternary ammonium permanganates (QAP) â€“ impact of solvent polarity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 34-42.	2.0	3
29	Î² -CD assisted aqueous dissolution of cetylpicolinium dichromates (CPDC)â€"Evolution of a class of green water compatible lipopathic Cr(VI) oxidants. Carbohydrate Polymers, 2017, 171, 122-128.	5.1	3
30	Self-Organized Assemblies of Surfactants Derived from Ethanolamines. Journal of Dispersion Science and Technology, 2012, 33, 881-886.	1.3	2
31	Green and Efficient: In Situ Oxidation Kinetics of Some Tailor-Made Î³-Styrylpyridinium Dyes in Aqueous Medium Using the Î²-CD-CTAP Complex. Industrial & Engineering Chemistry Research, 2015, 54, 9142-9149.	1.8	2
32	Cr(VI) oxidation using cetylpicolinium dichromate: Kinetics of oxidation of benzaldehydes with a green protocol. International Journal of Chemical Kinetics, 2019, 51, 105-111.	1.0	1