Ali Tehrani

List of Publications by Year
in descending order

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63 papers	2,923 citations	172443 29 h-index	168376 53 g-index
64 all docs	64 docs citations	64 times ranked	3179 citing authors

#	Article	IF	Citations
1	Degradation of a persistent organic dye from colored textile wastewater by ozonation. Desalination, 2010, 260, 34-38.	8.2	278
2	Solubilization of Hydrophobic Dyes in Surfactant Solutions. Materials, 2013, 6, 580-608.	2.9	215
3	Cationic Ester-Containing Gemini Surfactants: Physicalâ˜Chemical Properties. Langmuir, 2010, 26, 9276-9282.	3.5	194
4	Cationic ester-containing gemini surfactants: Chemical hydrolysis and biodegradation. Journal of Colloid and Interface Science, 2007, 312, 444-452.	9.4	158
5	The sorption of cationic dyes onto kaolin: Kinetic, isotherm and thermodynamic studies. Desalination, 2011, 266, 274-280.	8.2	158
6	Cleavable surfactants. Current Opinion in Colloid and Interface Science, 2007, 12, 81-91.	7.4	99
7	Solubilization of two organic dyes by cationic ester-containing gemini surfactants. Journal of Colloid and Interface Science, 2012, 376, 112-118.	9.4	96
8	Interactions of gemini cationic surfactants with anionic azo dyes and their inhibited effects on dyeability of cotton fabric. Dyes and Pigments, 2007, 72, 331-338.	3.7	88
9	Intermolecular interactions between a dye and cationic surfactants: Effects of alkyl chain, head group, and counterion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 380, 119-127.	4.7	84
10	Kinetic study of the factors controlling Fenton-promoted destruction of a non-biodegradable dye. Desalination, 2010, 257, 124-128.	8.2	80
11	Effect of aging time on corrosion inhibition of cationic surfactant on mild steel in sulfamic acid cleaning solution. Corrosion Science, 2013, 70, 46-54.	6.6	80
12	Corrosion of mild steel in hydrochloric acid solution in the presence of two cationic gemini surfactants with and without hydroxyl substituted spacers. Corrosion Science, 2018, 137, 62-75.	6.6	71
13	Cationic gemini surfactants with cleavable spacer: Chemical hydrolysis, biodegradation, and toxicity. Journal of Colloid and Interface Science, 2015, 449, 72-79.	9.4	67
14	Surface characterization of thin-film composite membranes using contact angle technique: Review of quantification strategies and applications. Advances in Colloid and Interface Science, 2022, 299, 102524.	14.7	63
15	Aggregation behavior and intermicellar interactions of cationic Gemini surfactants: Effects of alkyl chain, spacer lengths and temperature. Journal of Chemical Thermodynamics, 2012, 44, 107-115.	2.0	62
16	Reactive dye removal from wastewater using a chitosan nanodispersion. Desalination, 2011, 271, 225-230.	8.2	59
17	Waterproof breathable layers â€“ A review. Advances in Colloid and Interface Science, 2019, 268, 114-135.	14.7	58
18	Cationic ester-containing gemini surfactants: Determination of aggregation numbers by time-resolved fluorescence quenching. Journal of Colloid and Interface Science, 2012, 376, 126-132.	9.4	56

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19	Mesoscopically Ordered Boneâ€Mimetic Nanocomposites. Advanced Materials, 2015, 27, 2260-2264.	21.0	55
20	A comparative study on the electrochemical behavior of mild steel in sulfamic acid solution in the presence of monomeric and gemini surfactants. Electrochimica Acta, 2011, 58, 488-496.	5.2	54
21	Comparison of a Cationic Gemini Surfactant and the Corresponding Monomeric Surfactant for Corrosion Protection of Mild Steel in Hydrochloric Acid. Journal of Surfactants and Detergents, 2011, 14, 605-613.	2.1	54
22	Cationic Ester-Containing Gemini Surfactants: Adsorption at Tailor-Made Surfaces Monitored by SPR and QCM. Langmuir, 2008, 24, 6140-6145.	3.5	53
23	The study of Sunset Yellow anionic dye interaction with gemini and conventional cationic surfactants in aqueous solution. Dyes and Pigments, 2012, 95, 768-775.	3.7	50
24	Solubilization of two organic dyes by anionic, cationic and nonionic surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 417, 133-139.	4.7	47
25	Enhanced anti-microbial, anti-creasing and dye absorption properties of cotton fabric treated with Chitosanâ€“Cyanuric Chloride hybrid. Cellulose, 2018, 25, 883-893.	4.9	40
26	Anisotropic growth of gold nanoparticles using cationic gemini surfactants: effects of structure variations in head and tail groups. Journal of Materials Chemistry C, 2014, 2, 994-1003.	5.5	39
27	The effects of modified zinc oxide nanoparticles on the mechanical/thermal properties of epoxy resin. Journal of Applied Polymer Science, 2020, 137, 49330.	2.6	39
28	Use of pomegranate peels and walnut green husks as the green antimicrobial agents to reduce the consumption of inorganic nanoparticles on wool yarns. Journal of Cleaner Production, 2019, 231, 1463-1473.	9.3	36
29	Simplified modeling of the electrospinning process from the stable jet region to the unstable region for predicting the final nanofiber diameter. Journal of Applied Polymer Science, 2016, 133, .	2.6	30
30	Solubility of Two Disperse Dyes Derived from N-Alkyl and N-Carboxylic Acid Naphthalimides in the Presence of Gemini Cationic Surfactants. Journal of Surfactants and Detergents, 2011, 14, 381-389.	2.1	28
31	The effect of graphene flake size on the properties of grapheneâ€based polymer composite films. Journal of Applied Polymer Science, 2021, 138, 49821.	2.6	28
32	A mathematical model to predict the effect of electrospinning processing parameters on the morphological characteristic of nano-fibrous web and associated filtration efficiency. Journal of Aerosol Science, 2017, 113, 227-241.	3.8	27
33	Electrospun waterproof breathable membrane with a high level of aerosol filtration. Journal of Applied Polymer Science, 2018, 135, 45660.	2.6	26
34	Highly Flexible Single-Unit Resolution All Printed Neural Interface on a Bioresorbable Backbone. ACS Applied Bio Materials, 2020, 3, 7040-7051.	4.6	25
35	Ultrasound-assisted extraction of natural dyes from Hawthorn fruits for dyeing polyamide fabric and study its fastness, antimicrobial, and antioxidant properties. Environment, Development and Sustainability, 2021, 23, 9163-9180.	5.0	25
36	Degradation of Two Persistent Surfactants by UVâ€Enhanced Ozonation. Journal of Surfactants and Detergents, 2012, 15, 59-66.	2.1	21

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37	Curcumin degradation kinetics in micellar solutions: Enhanced stability in the presence of cationic surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 592, 124602.	4.7	21
38	Cationic ester-containing gemini surfactants as retarders in acrylic dyeing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 479, 52-59.	4.7	19
39	Electrospun nanofibrous polyvinylidene fluorideâ€coâ€hexafluoropropylene membranes for <scp>oilâ€“water</scp> separation. Journal of Applied Polymer Science, 2020, 137, 49394.	2.6	19
40	Synthesis of Palladium Nanodendrites Using a Mixture of Cationic and Anionic Surfactants. Langmuir, 2020, 36, 1745-1753.	3.5	17
41	Micelle growth of cationic gemini surfactants studied by NMR and by time-resolved fluorescence quenching. Journal of Colloid and Interface Science, 2013, 405, 145-149.	9.4	16
42	Thermal and mechanical properties of epoxy resin reinforced with modified iron oxide nanoparticles. Journal of Applied Polymer Science, 2021, 138, 50533.	2.6	16
43	The mechanical and thermal properties of graphitic carbon nitride (<scp>gâ€C₃N₄</scp>)â€based epoxy composites. Journal of Applied Polymer Science, 2021, 138, 51324.	2.6	16
44	Retarding action of poly(amidoamine) dendrimers and cationic gemini surfactants in acrylic dyeing. Dyes and Pigments, 2016, 125, 323-330.	3.7	14
45	Assessing Moisture Damage of Asphalt-Aggregate Systems Using Principles of Thermodynamics: Effects of Recycled Materials and Binder Aging. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	14
46	Grafting of Wool with Alginate Biopolymer/Nano Ag as a Clean Antimicrobial and Antioxidant Agent: Characterization and Natural Dyeing Studies. Journal of Polymers and the Environment, 2021, 29, 2639-2649.	5.0	13
47	Elliptic percolation model for predicting the electrical conductivity of grapheneâ€“polymer composites. Soft Matter, 2021, 17, 2081-2089.	2.7	13
48	Epoxy Resin Monomers with Reduced Skin Sensitizing Potency. Chemical Research in Toxicology, 2014, 27, 1002-1010.	3.3	12
49	Electrospun polymer blend with tunable structure for oilâ€“water separation. Journal of Applied Polymer Science, 2018, 135, 46890.	2.6	12
50	An Ouzo emulsion of toluene in water characterized by NMR diffusometry and static multiple light scattering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 494, 81-86.	4.7	11
51	Effect of Ultra Violet (UV) Irradiation as an Environmentally Friendly Pre-Treatment on Dyeing Characteristic and Colorimetric Analysis of Wool. Fibers and Polymers, 2020, 21, 179-187.	2.1	11
52	Grapheneâ€based polymer composites with ultraâ€high inâ€plane thermal conductivity: A comparison study between optothermal Raman spectroscopy and laser flash method. Journal of Applied Polymer Science, 2020, 137, 48927.	2.6	10
53	The effect of temperature on the electrical and thermal conductivity of grapheneâ€based polymer composite films. Journal of Applied Polymer Science, 2022, 139, 51896.	2.6	8
54	An Overview of Selfâ€Healable Polymers and Recent Advances in the Field. Macromolecular Rapid Communications, 2022, 43, e2200164.	3.9	8

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55	Unsupported electrospun membrane for water desalination using direct contact membrane distillation. Journal of Applied Polymer Science, 2021, 138, 49861.	2.6	6
56	Cosolvent Effects on the Aggregation and Micellar Growth of Ester-Containing Gemini Surfactants. Journal of Chemical & Engineering Data, 2020, 65, 2486-2494.	1.9	5
57	Catalytic Wet Peroxide Oxidation. , 2018, , 375-402.		4
58	Zero-Waste Recycling of Shelf-Cured Pre-Impregnated Carbon Fiber Reinforced Epoxy Laminae. Applied Composite Materials, 2020, 27, 357-373.	2.5	4
59	Curcumin release from blended polycaprolactone/polylactic acid electrospun nanofibrous meshes. Journal of Industrial Textiles, 2021, 50, 1065-1078.	2.4	3
60	Evaluating the Effect of Binder Aging and Mineral Fillers on Moisture Susceptibility of Asphalt Concrete Using Surface Free Energy. , 2019, , .		2
61	Prospects of nanocomposite membranes for water treatment by membrane distillation. , 2020, , 299-320.		2
62	The anionic conventional surfactants effect on the nanostructures and microstructures properties in cationic Gemini surfactants aqueous solution. , 2010, , .		1
63	Additional Article Notification: Anisotropic growth of gold nanoparticles using cationic gemini surfactants: effects of structure variations in head and tail groups. Journal of Materials Chemistry C, 2014, 2, 3476.	5.5	0