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	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
2	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
3	An Overview of Selfâ€Healable Polymers and Recent Advances in the Field. Macromolecular Rapid Communications, 2022, 43, e2200164.	3.9	8
4	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
5	Unsupported electrospun membrane for water desalination using direct contact membrane distillation. Journal of Applied Polymer Science, 2021, 138, 49861.	2.6	6
6	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
7	Curcumin release from blended polycaprolactone/polylactic acid electrospun nanofibrous meshes. Journal of Industrial Textiles, 2021, 50, 1065-1078.	2.4	3
8	Thermal and mechanical properties of epoxy resin reinforced with modified iron oxide nanoparticles. Journal of Applied Polymer Science, 2021, 138, 50533.	2.6	16
9	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
10	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
11	Elliptic percolation model for predicting the electrical conductivity of grapheneâ€“polymer composites. Soft Matter, 2021, 17, 2081-2089.	2.7	13
12	Highly Flexible Single-Unit Resolution All Printed Neural Interface on a Bioresorbable Backbone. ACS Applied Bio Materials, 2020, 3, 7040-7051.	4.6	25
13	Electrospun nanofibrous polyvinylidene fluorideâ€coâ€hexafluoropropylene membranes for <scp>oilâ€“water</scp> separation. Journal of Applied Polymer Science, 2020, 137, 49394.	2.6	19
14	Zero-Waste Recycling of Shelf-Cured Pre-Impregnated Carbon Fiber Reinforced Epoxy Laminae. Applied Composite Materials, 2020, 27, 357-373.	2.5	4
15	Synthesis of Palladium Nanodendrites Using a Mixture of Cationic and Anionic Surfactants. Langmuir, 2020, 36, 1745-1753.	3.5	17
16	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
17	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
18	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

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19	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
20	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
21	Prospects of nanocomposite membranes for water treatment by membrane distillation. , 2020, , 299-320.		2
22	Evaluating the Effect of Binder Aging and Mineral Fillers on Moisture Susceptibility of Asphalt Concrete Using Surface Free Energy. , 2019, , .		2
23	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
24	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
25	Waterproof breathable layers â€“ A review. Advances in Colloid and Interface Science, 2019, 268, 114-135.	14.7	58
26	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
27	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
28	Electrospun waterproof breathable membrane with a high level of aerosol filtration. Journal of Applied Polymer Science, 2018, 135, 45660.	2.6	26
29	Electrospun polymer blend with tunable structure for oilâ€“water separation. Journal of Applied Polymer Science, 2018, 135, 46890.	2.6	12
30	Catalytic Wet Peroxide Oxidation. , 2018, , 375-402.		4
31	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
32	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
33	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
34	Retarding action of poly(amidoamine) dendrimers and cationic gemini surfactants in acrylic dyeing. Dyes and Pigments, 2016, 125, 323-330.	3.7	14
35	Mesoscopically Ordered Boneâ€Mimetic Nanocomposites. Advanced Materials, 2015, 27, 2260-2264.	21.0	55
36	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

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37	Cationic gemini surfactants with cleavable spacer: Chemical hydrolysis, biodegradation, and toxicity. Journal of Colloid and Interface Science, 2015, 449, 72-79.	9.4	67
38	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
39	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
40	Epoxy Resin Monomers with Reduced Skin Sensitizing Potency. Chemical Research in Toxicology, 2014, 27, 1002-1010.	3.3	12
41	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
42	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
43	Solubilization of Hydrophobic Dyes in Surfactant Solutions. Materials, 2013, 6, 580-608.	2.9	215
44	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
45	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
46	Solubilization of two organic dyes by cationic ester-containing gemini surfactants. Journal of Colloid and Interface Science, 2012, 376, 112-118.	9.4	96
47	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
48	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
49	Degradation of Two Persistent Surfactants by UVâ€Enhanced Ozonation. Journal of Surfactants and Detergents, 2012, 15, 59-66.	2.1	21
50	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
51	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
52	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
53	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
54	The sorption of cationic dyes onto kaolin: Kinetic, isotherm and thermodynamic studies. Desalination, 2011, 266, 274-280.	8.2	158

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55	Reactive dye removal from wastewater using a chitosan nanodispersion. Desalination, 2011, 271, 225-230.	8.2	59
56	Kinetic study of the factors controlling Fenton-promoted destruction of a non-biodegradable dye. Desalination, 2010, 257, 124-128.	8.2	80
57	Degradation of a persistent organic dye from colored textile wastewater by ozonation. Desalination, 2010, 260, 34-38.	8.2	278
58	Cationic Ester-Containing Gemini Surfactants: Physicalâ˜Chemical Properties. Langmuir, 2010, 26, 9276-9282.	3.5	194
59	The anionic conventional surfactants effect on the nanostructures and microstructures properties in cationic Gemini surfactants aqueous solution. , 2010, , .		1
60	Cationic Ester-Containing Gemini Surfactants: Adsorption at Tailor-Made Surfaces Monitored by SPR and QCM. Langmuir, 2008, 24, 6140-6145.	3.5	53
61	Cleavable surfactants. Current Opinion in Colloid and Interface Science, 2007, 12, 81-91.	7.4	99
62	Cationic ester-containing gemini surfactants: Chemical hydrolysis and biodegradation. Journal of Colloid and Interface Science, 2007, 312, 444-452.	9.4	158
63	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