

Kamaladin Gharanjig

List of Publications by Year in descending order

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94
papers

2,208
citations

218677

26
h-index

265206

42
g-index

94
all docs

94
docs citations

94
times ranked

2199
citing authors

#	ARTICLE	IF	CITATIONS
1	Eco-friendly single bath dyeing of wool yarns with extracted cochineal dye: optimization and additives effect. <i>Pigment and Resin Technology</i> , 2023, 52, 321-330.	0.9	2
2	Green Dyeing of Wool Yarns with Yellow and Black Myrobalan Extract as Bio-mordant with Natural Dyes. <i>Journal of Natural Fibers</i> , 2022, 19, 3893-3915.	3.1	24
3	Synthesis and characterization of novel fluorescent reactive dyes for dyeing of cotton fabrics. <i>Journal of the Textile Institute</i> , 2022, 113, 595-605.	1.9	2
4	Environmentally Dyeing Using Dried Walnut Husk as Bio-Mordant: Investigation of Creating New Red and Yellow Shades on Wool. <i>Journal of Natural Fibers</i> , 2022, 19, 10953-10963.	3.1	6
5	Enhanced thermal stability of anthocyanins through natural polysaccharides from Angum gum and cress seed gum. <i>Journal of Food Science</i> , 2022, 87, 585-598.	3.1	9
6	Introduction of new configuration of dyes contain indigo group for dye-sensitized solar cells: DFT and photovoltaic study. <i>Optical Materials</i> , 2022, 124, 111999.	3.6	12
7	Effect of molecular composition of comb-like polycarboxylate dispersants on hydrophobic dye dispersion properties. <i>Journal of Molecular Liquids</i> , 2022, 350, 118615.	4.9	7
8	Green miles in dyeing technology: metal-rich pumpkin extracts in aid of natural dyes. <i>Environmental Science and Pollution Research</i> , 2022, 29, 50608-50616.	5.3	12
9	Environmentally friendly dyeing of wool yarns using of combination of bio-mordants and natural dyes. <i>Environmental Progress and Sustainable Energy</i> , 2022, 41, .	2.3	9
10	A novel efficient method for eco-friendly deep dyeing of wool yarns by extracted madder dyes in the presence of additives. <i>Industrial Crops and Products</i> , 2022, 183, 114970.	5.2	11
11	The effect of ultrasound on environmentally extraction and dyeing of wool yarns. <i>Journal of Engineered Fibers and Fabrics</i> , 2022, 17, 155892502211044.	1.0	3
12	Cleaner colorant extraction and environmentally wool dyeing using oak as eco-friendly mordant. <i>Environmental Science and Pollution Research</i> , 2021, 28, 7249-7260.	5.3	41
13	Effect of zinc oxide quantum dots on the photovoltaic properties of natural dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2021, 45, 4170-4183.	4.5	8
14	1,8-Naphthalimide Derivatives as Dyes for Textile and Polymeric Materials: A Review. <i>Fibers and Polymers</i> , 2021, 22, 2368-2379.	2.1	8
15	New engineered and environmentally friendly dye-sensitized solar cells: Efficient extraction of dyes from <i>Cytisus</i> , <i>Alcea rosea</i> , and Roselle. <i>International Journal of Energy Research</i> , 2020, 44, 309-324.	4.5	4
16	Synthesis, spectral characteristics and sensor ability of new polyamidoamine dendrimers, modified with curcumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117554.	3.9	8
17	New organic photo-sensitizer with thioindoxyl group for efficient dye-sensitized solar cells. <i>Chemical Papers</i> , 2020, 74, 1487-1494.	2.2	5
18	Treating wool fibers with chitosan-based nano-composites for enhancing the antimicrobial properties. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1219-1229.	3.1	22

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19	Functionalization of PAMAM dendrimers with curcumin: Synthesis, characterization, fluorescent improvement and application on PET polymer. <i>Dyes and Pigments</i> , 2020, 174, 108081.	3.7	15
20	Novel complex coacervates based on Zedo gum, cress seed gum and gelatin for loading of natural anthocyanins. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3349-3360.	7.5	21
21	Green Dyeing of Wool Fibers with Madder: Study of Combination of Two Biomordant on K/S and Fastness. <i>Fibers and Polymers</i> , 2020, 21, 2036-2041.	2.1	18
22	Modified PAMAM dendrimers as a matrix for the photostabilization of curcumin. <i>New Journal of Chemistry</i> , 2020, 44, 17112-17121.	2.8	6
23	Dye-sensitized solar cells based on natural photosensitizers: A green view from Iran. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154329.	5.5	40
24	Development and optimization of complex coacervates based on zedo gum, cress seed gum and gelatin. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 31-40.	7.5	28
25	Environmentally friendly dye for dye-sensitized solar cells from roots and stems of <i>Berberis vulgaris</i> . <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4019-4034.	3.5	6
26	Improving the photostability of curcumin using functional star-shaped polyamidoamine dendrimer: Application on PET. <i>Materials Today Communications</i> , 2019, 21, 100620.	1.9	12
27	Effect of edible antioxidants on chemical stability of β -carotene loaded nanostructured lipid carriers. <i>LWT - Food Science and Technology</i> , 2019, 113, 108272.	5.2	11
28	Cure Index demonstrates curing of epoxy composites containing silica nanoparticles of variable morphology and porosity. <i>Progress in Organic Coatings</i> , 2019, 135, 176-184.	3.9	60
29	Use of pomegranate peels and walnut green husks as the green antimicrobial agents to reduce the consumption of inorganic nanoparticles on wool yarns. <i>Journal of Cleaner Production</i> , 2019, 231, 1463-1473.	9.3	36
30	Effects of the side chain density of polycarboxylate dispersants on dye dispersion properties. <i>Coloration Technology</i> , 2019, 135, 160-168.	1.5	13
31	Inorganic nanoparticles and natural dyes for production of antimicrobial and antioxidant wool fiber. <i>3 Biotech</i> , 2019, 9, 456.	2.2	7
32	Synthesis and application of some novel fluorescent heterocyclic disperse dyestuffs based on phenothiazine on polyester. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2069-2076.	4.9	12
33	Extraction and application of natural pigments for fabrication of green dye-sensitized solar cells. <i>Opto-electronics Review</i> , 2018, 26, 165-171.	2.4	36
34	The Use of Sumac as a Natural Mordant in Green Production of Iranian Carpet. <i>Fibers and Polymers</i> , 2018, 19, 1908-1912.	2.1	18
35	Compatibility of Natural Dyes on Aluminum Pre-Mordanted Woolen Yarns by Determination of Diffusion Coefficient. <i>Fibers and Polymers</i> , 2018, 19, 1663-1669.	2.1	10
36	In quest of power conversion efficiency in nature-inspired dye-sensitized solar cells: Individual, co-sensitized or tandem configuration?. <i>Energy</i> , 2017, 134, 864-870.	8.8	34

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37	Novel self-coloured polymers based on new fluorescent naphthalimide derivatives: synthesis, characterisation and photophysical properties. <i>Pigment and Resin Technology</i> , 2017, 46, 244-250.	0.9	3
38	Investigation of photovoltaic properties of nanostructure indoline dye-sensitized solar cells using changes in assembling materials. <i>Pigment and Resin Technology</i> , 2017, 46, 393-398.	0.9	2
39	Characterization of a green and environmentally friendly sensitizer for a low cost dye-sensitized solar cell. <i>Opto-electronics Review</i> , 2017, 25, 93-98.	2.4	16
40	Effects of isomerism on near infrared properties of perylene bisimide derivatives. <i>Journal of Coatings Technology Research</i> , 2017, 14, 207-214.	2.5	20
41	The comparison of spectra and dyeing properties of new azonaphthalimide with analogues azobenzene dyes on natural and synthetic polymers. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3284-S3291.	4.9	4
42	A cleaner and eco-benign process for wool dyeing with madder, <i>Rubia tinctorum</i> L., root natural dye. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 2569-2578.	3.5	39
43	Chitosan-polypropylene imine dendrimer hybrid: a new ecological biomordant for cochineal dyeing of wool. <i>Environmental Chemistry Letters</i> , 2016, 14, 533-539.	16.2	32
44	Synthesis, characterization and near infra-red properties of perylenebisimide derivatives. <i>Progress in Organic Coatings</i> , 2016, 101, 297-304.	3.9	24
45	A novel Ag + cation sensor based on polyamidoamine dendrimer modified with 1,8-naphthalimide derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 154, 207-214.	3.9	18
46	Effect of substituents moiety in organic sensitizer based on carbazole on the performance of nanostructure dye-sensitized solar cells. <i>Pigment and Resin Technology</i> , 2015, 44, 292-299.	0.9	2
47	Synthesis and investigation of antimicrobial activity and spectrophotometric and dyeing properties of some novel azo disperse dyes based on naphthalimides. <i>Biotechnology Progress</i> , 2015, 31, 1086-1095.	2.6	18
48	Study of the Influence of Gemini Cationic Surfactants on the Dyeing and Fastness Properties of Polyester Fabrics Using Naphthalimide Dyes. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 47-54.	2.1	9
49	Grafting of prepared chitosan-poly(propylene) imines dendrimer hybrid as a biopolymer onto cotton and its antimicrobial property. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 78-85.	5.8	13
50	Novel organic dyes based on thioindigo for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2015, 123, 147-153.	3.7	33
51	A novel utilisation of principal component analysis to optimise sorption isotherms and determine diffusion coefficients of five naphthalimide disperse dyes on polyester fibres. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 553-562.	1.7	1
52	Synthesis and Characterization of Two New Organic Dyes for Dye-Sensitized Solar Cells. <i>Synthetic Communications</i> , 2014, 44, 779-787.	2.1	20
53	Optimising by response surface methodology the dyeing of polyester with a liposome-encapsulated disperse dye. <i>Coloration Technology</i> , 2014, 130, 86-92.	1.5	8
54	Synthesis, Characterization, and Photo-Physical Properties of Dendrimers Modified With 1,8-Naphthalimide Derivatives as Novel Fluorescent pH Sensors. <i>IEEE Sensors Journal</i> , 2014, 14, 2889-2896.	4.7	17

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55	Facile synthesis of 4-nitro-N-substituted-1,8-naphthalimide derivatives using ultrasound in aqueous media. <i>Green Chemistry Letters and Reviews</i> , 2014, 7, 174-178.	4.7	4
56	Study on dyeing and fastness properties of wool-polyester blend fabrics using novel mono azo-naphthalimide dyes. <i>Journal of the Textile Institute</i> , 2014, 105, 52-58.	1.9	10
57	Surface alteration of polyamide fibers by polyamidoamine dendrimers and optimization of treatment process using neural network towards improving their dyeing properties. <i>Dyes and Pigments</i> , 2014, 111, 30-38.	3.7	16
58	Dye removal from colored textile wastewater using chitosan-PPI dendrimer hybrid as a biopolymer: Optimization, kinetic, and isotherm studies. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2607-2619.	2.6	86
59	Stability of Dye Dispersions in the Presence of Some Eco-Friendly Dispersing Agents. <i>Journal of Surfactants and Detergents</i> , 2013, 16, 849-856.	2.1	6
60	Application of a biopolymer chitosan-poly(propylene)imine dendrimer hybrid as an antimicrobial agent on the wool fabrics. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 931-940.	2.4	25
61	Removal of anionic dyes from aqueous solution by modified alginate. <i>Desalination and Water Treatment</i> , 2013, 51, 2253-2260.	1.0	4
62	Preparation of chitosan-ethyl acrylate as a biopolymer adsorbent for basic dyes removal from colored solutions. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 406-415.	6.7	58
63	Optimisation of the formulation of β -carotene loaded nanostructured lipid carriers prepared by solvent diffusion method. <i>Food Chemistry</i> , 2013, 141, 117-123.	8.2	124
64	Antimicrobial properties of treated cotton fabrics with non-toxic biopolymers and their dyeing with safflower and walnut hulls. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 843-851.	2.4	10
65	A New Method for Clearing Dyed Polyester Fabrics by Gemini Cationic Surfactants. <i>Journal of Surfactants and Detergents</i> , 2013, 16, 95-104.	2.1	2
66	Stability of Dye Dispersions in the Presence of Various Surface Active Agents and Additives. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 381-388.	2.4	12
67	EFFECT OF SURFACTANTS ON KINETICS OF β -CAROTENE PHOTODEGRADATION IN EMULSIONS. <i>Chemical Engineering Communications</i> , 2013, 200, 437-447.	2.6	8
68	Synthesis of a novel fluorescent coloured copolymer based on 4-butylthio-1,8-naphthalimide. <i>Coloration Technology</i> , 2012, 128, 218-222.	1.5	7
69	Synthesis and application of some novel antimicrobial monoazonaphthalimide dyes: synthesis and characterisation. <i>Coloration Technology</i> , 2012, 128, 270-275.	1.5	11
70	Synthesis, characterization and evaluation of efficiency of new hybrid Pc/Fe-TiO ₂ nanocomposite as photocatalyst for decolorization of methyl orange using visible light irradiation. <i>Applied Catalysis A: General</i> , 2012, 411-412, 139-145.	4.3	35
71	A new polymerizable fluorescent PET chemosensor of fluoride (F ⁻) based on naphthalimide-thiourea dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 85-92.	3.9	55
72	Spectrophotometric studies of visible light induced photocatalytic degradation of methyl orange using phthalocyanine-modified Fe-doped TiO ₂ nanocrystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 148-153.	3.9	34

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73	Solubility of Two Disperse Dyes Derived from N-Alkyl and N-Carboxylic Acid Naphthalimides in the Presence of Gemini Cationic Surfactants. <i>Journal of Surfactants and Detergents</i> , 2011, 14, 381-389.	2.1	28
74	Dyeing and fastness properties of polyamide fabrics using some acid-based monoazo disperse dyes. <i>Journal of Applied Polymer Science</i> , 2011, 122, 3390-3395.	2.6	13
75	Reactive dye removal from wastewater using a chitosan nanodispersion. <i>Desalination</i> , 2011, 271, 225-230.	8.2	59
76	Synthesis and photophysical properties of some novel fluorescent dyes based on naphthalimide derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 216, 44-50.	3.9	53
77	Kinetic study of the factors controlling Fenton-promoted destruction of a non-biodegradable dye. <i>Desalination</i> , 2010, 257, 124-128.	8.2	80
78	Equilibrium and kinetic studies of the cationic dye removal capability of a novel biosorbent <i>Tamarindus indica</i> from textile wastewater. <i>Coloration Technology</i> , 2010, 126, 261-268.	1.5	28
79	Laboratory studies and CFD modeling of photocatalytic degradation of colored textile wastewater by titania nanoparticles. <i>Desalination and Water Treatment</i> , 2009, 1, 312-317.	1.0	20
80	Synthesis and Application of Some Alkali-Clearable Azo Disperse Dyes Based on Naphthalimide Derivatives. <i>Journal of the Chinese Chemical Society</i> , 2009, 56, 1035-1042.	1.4	17
81	Synthesis and evaluation of a series of novel monoazo disperse dyes derived from N-carboxylic acid-1,8-naphthalimide on poly(ethylene terephthalate). <i>Fibers and Polymers</i> , 2009, 10, 446-451.	2.1	16
82	Purification of water containing agricultural organophosphorus pollutant using titania nanophotocatalysis: Laboratory studies and numerical modeling. <i>Desalination</i> , 2008, 230, 183-192.	8.2	15
83	Synthesis, spectral properties and application of novel monoazo disperse dyes derived from N-ester-1,8-naphthalimide to polyester. <i>Dyes and Pigments</i> , 2008, 76, 684-689.	3.7	73
84	Novel hydrolysable azo disperse dyes based on N-ester-1,8-naphthalimide: dyeing of polyester-cotton blends. <i>Coloration Technology</i> , 2008, 124, 295-300.	1.5	14
85	Measurement and Correlation of Solubilities of Some Disperse Azo Dyes in Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 634-638.	1.9	11
86	Synthesis and Characterization of Novel Monoazo Naphthalimide Disperse Dyes Containing Carboxylic Acid Group with High Heat Fastness Properties. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 1300-1307.	1.4	11
87	Synthesis and Characterization of Novel Monoazo N-ester-1,8-naphthalimide Disperse Dyestuffs. <i>Journal of the Chinese Chemical Society</i> , 2007, 54, 1021-1028.	1.4	9
88	Photocatalytic degradation of agricultural N-heterocyclic organic pollutants using immobilized nanoparticles of titania. <i>Journal of Hazardous Materials</i> , 2007, 145, 65-71.	12.4	115
89	Nanophotocatalysis using immobilized titanium dioxide nanoparticle. <i>Materials Research Bulletin</i> , 2007, 42, 797-806.	5.2	107
90	Synthesis and spectroscopic studies of some naphthalimide based disperse azo dyestuffs for the dyeing of polyester fibres. <i>Dyes and Pigments</i> , 2006, 69, 79-92.	3.7	53

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91	Decolorization and mineralization of textile dyes at solution bulk by heterogeneous nanophotocatalysis using immobilized nanoparticles of titanium dioxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 290, 125-131.	4.7	97
92	Microwave-assisted rapid synthesis of 1,4-diketo-pyrrolo[3,4-]pyrroles' derivatives under solvent-free conditions. <i>Dyes and Pigments</i> , 2006, 71, 68-72.	3.7	20
93	Synthesis and Characterization of Some Monoazo Disperse Dyestuffs Based on Naphthalimide Derivatives for Dyeing of Polyester Fabrics. <i>Journal of the Chinese Chemical Society</i> , 2005, 52, 495-502.	1.4	6
94	Dyeing of Cotton Fabrics with Novel Fluorescent Reactive Dyes Based on Fluorescein: Dyeing and Fluorescent Properties, Adsorption Isotherms, and Kinetic Studies. <i>Journal of Natural Fibers</i> , 0, , 1-18.	3.1	1