

Joonseok Koh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

2,175
citations

29
h-index

42
g-index

108
ext. papers

2,687
ext. citations

4.4
avg, IF

5.55
L-index

#	Paper	IF	Citations
105	Copper(II) hydrazone complexes derived from (Z)-N'-{(2-hydroxynaphthalen-1-yl)methylene}acetohydrazide: Synthesis, spectral characterization, electrochemical behaviour, density functional study, in vitro catalytic activity and molecular docking. <i>Results in Chemistry</i> , 2022 , 4, 100244	2.1	2
104	Triazine based nanoarchitectonics of porous organic polymers for CO ₂ storage. <i>Materials Letters</i> , 2022 , 313, 131757	3.3	1
103	Arginine containing chitosan-graphene oxide aerogels for highly efficient carbon capture and fixation. <i>Journal of CO₂ Utilization</i> , 2022 , 59, 101958	7.6	1
102	Synthesis, characterization and application of chitosan-N-(4-hydroxyphenyl)-methacrylamide derivative as a drug and gene carrier. <i>International Journal of Biological Macromolecules</i> , 2021 ,	7.9	1
101	Optimization and evaluation of ciprofloxacin-loaded collagen/chitosan scaffolds for skin tissue engineering. <i>3 Biotech</i> , 2021 , 11, 160	2.8	1
100	Bleaching of Jute-Cotton blend fabric with Peracetic acid for deep dyeing. <i>Journal of Fiber Science and Technology</i> , 2021 , 77, 146-156	0.8	1
99	Synthesis, Characterization, and Functional Properties of ZnO-based Polyurethane Nanocomposite for Textile Applications. <i>Fibers and Polymers</i> , 2021 , 22, 2227-2237	2	3
98	Synthesis of 2,5-furandicarboxylic acid-enriched-chitosan for anti-inflammatory and metal ion uptake. <i>International Journal of Biological Macromolecules</i> , 2021 , 179, 500-506	7.9	4
97	Rapid Determination of Nitrate in Brain Regions and Cerebrospinal Fluid of Transient Bilateral Common Carotid Artery Occlusion Rat Model by HPLC-UV. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2021 , 91, 361-368	0.9	
96	Application of macroalgal biomass derived biochar and bioelectrochemical system with <i>Shewanella</i> for the adsorptive removal and biodegradation of toxic azo dye. <i>Chemosphere</i> , 2021 , 264, 128539	8.4	44
95	Sustainable low liquor ratio dyeing of cotton with C.I. Reactive Blue 21 using dioctyl sodium sulfosuccinate. <i>Textile Research Journal</i> , 2021 , 91, 1083-1093	1.7	3
94	Synthesis of Antibacterial Disulfide Derivatives and its Computational Molecular Docking Against Penicillin Binding Protein. <i>Analytical Chemistry Letters</i> , 2021 , 11, 618-634	1	0
93	Experimental and computational study of naphthalimide derivatives: Synthesis, optical, nonlinear optical and antiviral properties. <i>Optik</i> , 2021 , 246, 167748	2.5	3
92	The Influence of a Natural UV Absorber (Areca catechu) on the UV Protection and Antimicrobial Properties of Silk and Nylon Fabrics. <i>Fibers and Polymers</i> , 2021 , 22, 382-386	2	3
91	A systematic study on chitosan-liposome based systems for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 470-481	7.9	31
90	An experimental and computational study of pyrimidine based bis-uracil derivatives as efficient candidates for optical, nonlinear optical, and drug discovery applications. <i>Synthetic Communications</i> , 2020 , 50, 2199-2225	1.7	9
89	Gelatin grafted poly(D,L-lactide) as an inhibitor of protein aggregation: An in vitro case study. <i>Biopolymers</i> , 2020 , 111, e23383	2.2	

88	Substituted phenothiazines: synthesis and in silico evaluation of D4 dopamine receptor inhibition. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	7
87	Capture and chemical fixation of carbon dioxide by chitosan grafted multi-walled carbon nanotubes. <i>Journal of CO2 Utilization</i> , 2020 , 41, 101237	7.6	17
86	Synthesis and characterization of mono-6-deoxy-6-aminopropylamino-β-cyclodextrin polymer functionalized with graphene oxide. <i>Inorganic and Nano-Metal Chemistry</i> , 2020 , 50, 286-291	1.2	
85	Synthesis, and Evaluation of Silver Nanoparticles with Root Extract of for Antibacterial Activity Binding of Penicillin-Binding Protein-4. <i>Current Pharmaceutical Biotechnology</i> , 2020 , 21, 1674-1687	2.6	12
84	Role of Oxidative Stress and Metal Toxicity in the Progression of Alzheimer's Disease. <i>Current Neuropharmacology</i> , 2020 , 18, 552-562	7.6	20
83	Chitosan-based zeolite-Y and ZSM-5 porous biocomposites for H and CO storage. <i>Carbohydrate Polymers</i> , 2020 , 232, 115808	10.3	20
82	Utilization of zeolites as CO2 capturing agents: Advances and future perspectives. <i>Journal of CO2 Utilization</i> , 2020 , 41, 101251	7.6	62
81	Changes in electrolyte concentrations alter the impedance during ischemia-reperfusion injury in rat brain. <i>Physiological Measurement</i> , 2019 , 40, 105004	2.9	9
80	Methyl methacrylate modified chitosan: Synthesis, characterization and application in drug and gene delivery. <i>Carbohydrate Polymers</i> , 2019 , 211, 109-117	10.3	44
79	A combined experimental and computational study of 2,2S(diazene-1,2-diylbis(4,1-phenylene))bis(6-(butylamino)-1H-benzo[de]isoquinoline-1,3(2H)-dione): Synthesis, optical and nonlinear optical properties. <i>Optik</i> , 2019 , 192, 162952	2.5	9
78	Neuroprotective effect of chlorogenic acid in global cerebral ischemia-reperfusion rat model. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2019 , 392, 1293-1309	3.4	20
77	Bio-based chitosan/gelatin/Ag@ZnO bionanocomposites: synthesis and mechanical and antibacterial properties. <i>Cellulose</i> , 2019 , 26, 5347-5361	5.5	51
76	CO2 adsorption and conversion of epoxides catalyzed by inexpensive and active mesoporous structured mixed-phase (anatase/brookite) TiO2. <i>Journal of CO2 Utilization</i> , 2019 , 34, 386-394	7.6	11
75	Dyeing of Polyester with 4-Fluorosulfonylphenylazo-5-pyrazolone Disperse Dyes and Application of Environment-Friendly Aftertreatment for Their High Color Fastness. <i>Materials</i> , 2019 , 12,	3.5	5
74	Bio-based (chitosan/PVA/ZnO) nanocomposites film: Thermally stable and photoluminescence material for removal of organic dye. <i>Carbohydrate Polymers</i> , 2019 , 205, 559-564	10.3	110
73	Pharmacokinetics and brain penetration study of chlorogenic acid in rats. <i>Xenobiotica</i> , 2019 , 49, 339-345	2	21
72	Enhanced fluorescence norfloxacin substituted naphthalimide derivatives: Molecular docking and antibacterial activity. <i>Journal of Molecular Structure</i> , 2018 , 1157, 292-299	3.4	15
71	Carbon dioxide adsorption and cycloaddition reaction of epoxides using chitosan-graphene oxide nanocomposite as a catalyst. <i>Journal of Environmental Sciences</i> , 2018 , 69, 77-84	6.4	33

70	Graphene oxide modified cobalt metallated porphyrin photocatalyst for conversion of formic acid from carbon dioxide. <i>Journal of CO2 Utilization</i> , 2018 , 27, 107-114	7.6	24
69	Effect of Chlorogenic Acid Supplementation in MPTP-Intoxicated Mouse. <i>Frontiers in Pharmacology</i> , 2018 , 9, 757	5.6	48
68	Application of Jackfruit Latex Gum as an Eco-friendly Binder to Pigment Printing. <i>Fibers and Polymers</i> , 2018 , 19, 2365-2371	2	4
67	Effect of Acid Donors on the Dyeing of Nylon Fiber with Acid Milling Dyes. <i>Fibers and Polymers</i> , 2018 , 19, 2533-2540	2	5
66	Investigation of alkaline hydrolysis of phthalimide-based azo dye and its application to after-treatment optimisation for high-fastness dyeing of polyesters. <i>Coloration Technology</i> , 2018 , 134, 206-213	2	1
65	Synthesis, characterisation, optical and nonlinear optical properties of thiazole and benzothiazole derivatives: a dual approach. <i>Molecular Simulation</i> , 2018 , 44, 1191-1199	2	43
64	Mesoporous zeolite-chitosan composite for enhanced capture and catalytic activity in chemical fixation of CO. <i>Carbohydrate Polymers</i> , 2018 , 198, 401-406	10.3	51
63	Alkaline weight reduction and dyeing properties of black dope-dyed poly(ethylene terephthalate) microfibre fabrics. <i>Coloration Technology</i> , 2017 , 133, 209-217	2	12
62	Structure and hydrophilicity of azo-dye-derived rotaxane: density functional theory approach. <i>Coloration Technology</i> , 2017 , 133, 382-390	2	1
61	A polydiacetylene-based colorimetric chemosensor for malondialdehyde detection: a food spoilage indicator. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8553-8558	7.1	18
60	Effect of chelating agent in disperse dye dyeing on polyester fabric. <i>Fibers and Polymers</i> , 2017 , 18, 2315-2321	9	9
59	Exploring neuroprotective potential of Withania somnifera phytochemicals by inhibition of GluN2B-containing NMDA receptors: An in silico study. <i>Medical Hypotheses</i> , 2016 , 92, 35-43	3.8	36
58	New Sizing System Development of Korean Male Military Winter Jacket. <i>Journal of the Korean Society of Clothing and Textiles</i> , 2016 , 40, 954-965	1.1	0
57	On use of cellulose nanowhisker to enhance the physical properties of electrospun biopolyurethane. <i>Fibers and Polymers</i> , 2016 , 17, 44-51	2	2
56	Multifunctional Photonics Nanoparticles for Crossing the Blood-Brain Barrier and Effecting Optically Trackable Brain Theranostics. <i>Advanced Functional Materials</i> , 2016 , 26, 7057-7066	15.6	44
55	Biolighted Nanotorch Capable of Systemic Self-Delivery and Diagnostic Imaging. <i>ACS Nano</i> , 2015 , 9, 9906-9917	6.7	30
54	Amphiphilized poly(ethyleneimine) nanoparticles: a versatile multi-cargo carrier with enhanced tumor-homing efficiency and biocompatibility. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 198-206	7.3	6
53	Physicochemical and optical properties of chitosan based graphene oxide bionanocomposite. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 559-64	7.9	70

52	Natural oil-based chemiluminescent nanodroplets for In vivo imaging of hydrogen peroxide. <i>Macromolecular Research</i> , 2014 , 22, 1136-1139	1.9	8
51	Preparation and application of ultrahigh-pressure-homogenised aminosilicon-based softeners. <i>Coloration Technology</i> , 2014 , 130, 174-179	2	
50	Chitosan Biopolymer Schiff Base: Preparation, Characterization, Optical, and Antibacterial Activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014 , 63, 173-177	3	35
49	Gadolinium-coordinated elastic nanogels for in vivo tumor targeting and imaging. <i>Biomaterials</i> , 2013 , 34, 6846-52	15.6	53
48	Tuning solid-state fluorescence to the near-infrared: a combinatorial approach to discovering molecular nanoprobe for biomedical imaging. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8881-8	9.5	37
47	Conditioning effect of a hair conditioner containing lugworm autolysate. <i>Fibers and Polymers</i> , 2013 , 14, 2103-2110	2	2
46	Triphenylamine coupled chitosan with high buffering capacity and low viscosity for enhanced transfection in mammalian cells, in vitro and in vivo. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 6053-6065	7.3	37
45	Synthesis, physicochemical and optical properties of chitosan based dye containing naphthalimide group. <i>Carbohydrate Polymers</i> , 2013 , 94, 221-8	10.3	29
44	A new chitosan-thymine conjugate: synthesis, characterization and biological activity. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 493-502	7.9	64
43	Dye/peroxalate aggregated nanoparticles with enhanced and tunable chemiluminescence for biomedical imaging of hydrogen peroxide. <i>ACS Nano</i> , 2012 , 6, 6759-66	16.7	141
42	Physicochemical and optical study of chitosan-terephthaldehyde derivative for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 1167-72	7.9	34
41	Synthesis and properties of some novel pyrazolone-based heterocyclic azo disperse dyes containing a fluorosulfonyl group. <i>Dyes and Pigments</i> , 2012 , 95, 580-586	4.6	39
40	Effect of kiwifruit protease on the characteristics of human hair. <i>Fibers and Polymers</i> , 2012 , 13, 1058-1064	4	3
39	Physicochemical, optical and biological activity of chitosan-chromone derivative for biomedical applications. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 6102-16	6.3	159
38	A physico-chemical and biological study of novel chitosan-chloroquinoline derivative for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 356-61	7.9	45
37	Supramolecular structures and dyeing properties of poly(ethylene terephthalate) industrial yarns for seat-belt webbings. <i>Coloration Technology</i> , 2011 , 127, 376-382	2	1
36	Physicochemical, circular dichroism-induced helical conformation and optical property of chitosan azo-based amino methanesulfonate complex. <i>Journal of Applied Polymer Science</i> , 2011 , 124, n/a-n/a	2.9	1
35	Effects of mechanical force on crystalline structure of electrospun poly(1-butene) membranes. <i>Polymer International</i> , 2011 , 60, 1442-1445	3.3	5

34	Optical Study of Chitosan-Ofloxacin Complex for Biomedical Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011 , 48, 789-795	2.2	10
33	Preparation of PVA/PAN bicomponent nanofiber via electrospinning and selective dissolution. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 274-282	2.9	8
32	The synthesis and spectral properties of an encapsulated aminoazobenzene dye. <i>Dyes and Pigments</i> , 2009 , 82, 347-352	4.6	14
31	Dyeing and fastness properties of phthalimide-based alkali-clearable azo disperse dyes on poly(ethylene terephthalate). <i>Coloration Technology</i> , 2009 , 125, 322-327	2	10
30	Effects of lugworm protease on the dyeing properties of protein fibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2009 , 15, 584-587	6.3	14
29	The effects of mechanical actions on washing efficiency. <i>Fibers and Polymers</i> , 2008 , 9, 101-106	2	31
28	One-bath dyeing of PET/cotton blends with azohydroxypyridone disperse dyes containing a fluorosulfonyl group. <i>Fibers and Polymers</i> , 2008 , 9, 128-133	2	5
27	Synthesis and spectral properties of phthalimide based alkali-clearable azo disperse dyes. <i>Fibers and Polymers</i> , 2008 , 9, 143-151	2	15
26	Evaluation of the dyeability of the new eco-friendly regenerated cellulose. <i>Fibers and Polymers</i> , 2008 , 9, 152-159	2	4
25	Probing of an environmentally friendly regenerated cellulose material having bimorphic behavior. <i>Fibers and Polymers</i> , 2008 , 9, 691-697	2	4
24	Dye-resist properties of reactive dye-resist agents in acid dyeing of silk. <i>Fibers and Polymers</i> , 2007 , 8, 601-607	2	3
23	Dye-resist properties of hetero-multifunctional dye-resist agents in acid dyeing of wool. <i>Fibers and Polymers</i> , 2006 , 7, 117-122	2	2
22	Dyeing and fastness properties of a reactive disperse dye on PET, nylon, silk and N/P fabrics. <i>Fibers and Polymers</i> , 2006 , 7, 174-179	2	20
21	Effect of pineapple protease on the characteristics of protein fibers. <i>Fibers and Polymers</i> , 2006 , 7, 180-185		27
20	Alkaline weight reduction monitoring of sea-island type polyamide microfiber fabrics. <i>Fibers and Polymers</i> , 2006 , 7, 20-25	2	7
19	Alkaline dissolution monitoring of radial-type polyester microfiber fabrics by a cationic dye-staining method. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 279-285	2.9	5
18	Synthesis of heteromultifunctional dye-resist agents containing chloro-s-triazine and bromoacrylamide and their dye-resist properties in wool fabrics. <i>Coloration Technology</i> , 2006 , 122, 227-232	2	2
17	Alkali-clearable disperse dyeing of poly(ethyleneterephthalate) with azohydroxypyridone dyes containing a fluorosulfonyl group. <i>Dyes and Pigments</i> , 2006 , 69, 233-238	4.6	31

16	Reactive dyeing properties of novel regenerated cellulosic fibres. <i>Dyes and Pigments</i> , 2005 , 64, 9-16	4.6	8
15	Alkali-hydrolysis kinetics of alkali-clearable azo disperse dyes containing a fluorosulphonyl group and their fastness properties on PET/cotton blends. <i>Dyes and Pigments</i> , 2005 , 64, 17-23	4.6	20
14	Synthesis and spectral properties of azohydroxypyridone disperse dyes containing a fluorosulphonyl group. <i>Coloration Technology</i> , 2004 , 120, 241-246	2	17
13	Colour fastness properties of alkali-clearable azo disperse dyes containing a fluoro-sulphonyl group. <i>Coloration Technology</i> , 2004 , 120, 56-60	2	12
12	One-bath dyeing of poly(ethylene terephthalate)/cotton blends with alkali-clearable azo disperse dyes containing a fluorosulphonyl group. <i>Coloration Technology</i> , 2004 , 120, 156-160	2	10
11	Dyeing properties of bi-functional reactive dyes on a novel regenerated cellulosic fiber. <i>Fibers and Polymers</i> , 2004 , 5, 44-51	2	10
10	pH control for dyebath reuse in dyeing of polyamide with binary mixtures of acid dyes. <i>Fibers and Polymers</i> , 2004 , 5, 110-116	2	3
9	Dyeing properties of 4-amino-4'-fluorosulfonylazobenzene disperse dyes on poly(ethylene terephthalate). <i>Fibers and Polymers</i> , 2004 , 5, 134-138	2	11
8	Printing properties of novel regenerated cellulosic fibers. <i>Fibers and Polymers</i> , 2004 , 5, 219-224	2	5
7	Alkali-hydrolysis kinetics of 4-amino-4'-fluorosulfonylazo benzene disperse dyes and their dyeing fastness properties. <i>Dyes and Pigments</i> , 2004 , 60, 155-165	4.6	26
6	Dyeing properties of novel regenerated cellulosic fibers. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 3481-3488	2.9	18
5	Low-temperature carrier dyeing of poly(vinyl chloride) fibers with disperse dyes. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 3896-3904	2.9	9
4	Synthesis and spectral properties of alkali-clearable azo disperse dyes containing a fluorosulfonyl group. <i>Dyes and Pigments</i> , 2003 , 56, 69-81	4.6	25
3	Synthesis and application of a temporarily solubilised alkali-clearable azo disperse dye and analysis of its conversion and hydrolysis behaviour. <i>Dyes and Pigments</i> , 2003 , 56, 17-26	4.6	34
2	Synthesis and application of an alkali-clearable azo disperse dye containing a fluorosulfonyl group and analysis of its alkali-hydrolysis kinetics. <i>Dyes and Pigments</i> , 2001 , 50, 117-126	4.6	83
1	Synthesis and Application of High-Washability 4-Amino-4'-Fluorosulfonylazobenzene Disperse Dyes to Cellulose Diacetate for High Color Fastness. <i>Fibers and Polymers</i> , 1	2	1