

# Joonseok Koh

## List of Publications by Citations

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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	Physiochemical, optical and biological activity of chitosan-chromone derivative for biomedical applications. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 6102-16	6.3	159
104	Dye/peroxalate aggregated nanoparticles with enhanced and tunable chemiluminescence for biomedical imaging of hydrogen peroxide. <i>ACS Nano</i> , <b>2012</b> , 6, 6759-66	16.7	141
103	Bio-based (chitosan/PVA/ZnO) nanocomposites film: Thermally stable and photoluminescence material for removal of organic dye. <i>Carbohydrate Polymers</i> , <b>2019</b> , 205, 559-564	10.3	110
102	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> , <b>2001</b> , 50, 117-126	4.6	83
101	Physiochemical and optical properties of chitosan based graphene oxide bionanocomposite. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 70, 559-64	7.9	70
100	A new chitosan-thymine conjugate: synthesis, characterization and biological activity. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 493-502	7.9	64
99	Utilization of zeolites as CO <sub>2</sub> capturing agents: Advances and future perspectives. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 41, 101251	7.6	62
98	Gadolinium-coordinated elastic nanogels for in vivo tumor targeting and imaging. <i>Biomaterials</i> , <b>2013</b> , 34, 6846-52	15.6	53
97	Bio-based chitosan/gelatin/Ag@ZnO bionanocomposites: synthesis and mechanical and antibacterial properties. <i>Cellulose</i> , <b>2019</b> , 26, 5347-5361	5.5	51
96	Mesoporous zeolite-chitosan composite for enhanced capture and catalytic activity in chemical fixation of CO. <i>Carbohydrate Polymers</i> , <b>2018</b> , 198, 401-406	10.3	51
95	Effect of Chlorogenic Acid Supplementation in MPTP-Intoxicated Mouse. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 757	5.6	48
94	A physico-chemical and biological study of novel chitosan-chloroquinoline derivative for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 356-61	7.9	45
93	Methyl methacrylate modified chitosan: Synthesis, characterization and application in drug and gene delivery. <i>Carbohydrate Polymers</i> , <b>2019</b> , 211, 109-117	10.3	44
92	Multifunctional Photonics Nanoparticles for Crossing the Blood-Brain Barrier and Effecting Optically Trackable Brain Theranostics. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7057-7066	15.6	44
91	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> , <b>2021</b> , 264, 128539	8.4	44
90	Synthesis, characterisation, optical and nonlinear optical properties of thiazole and benzothiazole derivatives: a dual approach. <i>Molecular Simulation</i> , <b>2018</b> , 44, 1191-1199	2	43
89	Synthesis and properties of some novel pyrazolone-based heterocyclic azo disperse dyes containing a fluorosulfonyl group. <i>Dyes and Pigments</i> , <b>2012</b> , 95, 580-586	4.6	39

88	Tuning solid-state fluorescence to the near-infrared: a combinatorial approach to discovering molecular nanoprobe for biomedical imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8881-8	9.5	37
87	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> , <b>2013</b> , 1, 6053-6065	7.3	37
86	Exploring neuroprotective potential of <i>Withania somnifera</i> phytochemicals by inhibition of GluN2B-containing NMDA receptors: An in silico study. <i>Medical Hypotheses</i> , <b>2016</b> , 92, 35-43	3.8	36
85	Chitosan Biopolymer Schiff Base: Preparation, Characterization, Optical, and Antibacterial Activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2014</b> , 63, 173-177	3	35
84	Physicochemical and optical study of chitosan-terephthaldehyde derivative for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 1167-72	7.9	34
83	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> , <b>2003</b> , 56, 17-26	4.6	34
82	Carbon dioxide adsorption and cycloaddition reaction of epoxides using chitosan-graphene oxide nanocomposite as a catalyst. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 69, 77-84	6.4	33
81	A systematic study on chitosan-liposome based systems for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 160, 470-481	7.9	31
80	The effects of mechanical actions on washing efficiency. <i>Fibers and Polymers</i> , <b>2008</b> , 9, 101-106	2	31
79	Alkali-clearable disperse dyeing of poly(ethyleneterephthalate) with azohydroxypyridone dyes containing a fluorosulfonyl group. <i>Dyes and Pigments</i> , <b>2006</b> , 69, 233-238	4.6	31
78	Biolighted Nanotorch Capable of Systemic Self-Delivery and Diagnostic Imaging. <i>ACS Nano</i> , <b>2015</b> , 9, 9906-9917	6.7	30
77	Synthesis, physicochemical and optical properties of chitosan based dye containing naphthalimide group. <i>Carbohydrate Polymers</i> , <b>2013</b> , 94, 221-8	10.3	29
76	Effect of pineapple protease on the characteristics of protein fibers. <i>Fibers and Polymers</i> , <b>2006</b> , 7, 180-185	185	27
75	Alkali-hydrolysis kinetics of 4-amino-2-fluorosulfonylazo benzene disperse dyes and their dyeing fastness properties. <i>Dyes and Pigments</i> , <b>2004</b> , 60, 155-165	4.6	26
74	Synthesis and spectral properties of alkali-clearable azo disperse dyes containing a fluorosulfonyl group. <i>Dyes and Pigments</i> , <b>2003</b> , 56, 69-81	4.6	25
73	Graphene oxide modified cobalt metallated porphyrin photocatalyst for conversion of formic acid from carbon dioxide. <i>Journal of CO2 Utilization</i> , <b>2018</b> , 27, 107-114	7.6	24
72	Pharmacokinetics and brain penetration study of chlorogenic acid in rats. <i>Xenobiotica</i> , <b>2019</b> , 49, 339-345	2	21
71	Neuroprotective effect of chlorogenic acid in global cerebral ischemia-reperfusion rat model. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2019</b> , 392, 1293-1309	3.4	20

70	Dyeing and fastness properties of a reactive disperse dye on PET, nylon, silk and N/P fabrics. <i>Fibers and Polymers</i> , <b>2006</b> , 7, 174-179	2	20
69	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> , <b>2005</b> , 64, 17-23	4.6	20
68	Role of Oxidative Stress and Metal Toxicity in the Progression of Alzheimer's Disease. <i>Current Neuropharmacology</i> , <b>2020</b> , 18, 552-562	7.6	20
67	Chitosan-based zeolite-Y and ZSM-5 porous biocomposites for H <sub>2</sub> and CO storage. <i>Carbohydrate Polymers</i> , <b>2020</b> , 232, 115808	10.3	20
66	A polydiacetylene-based colorimetric chemosensor for malondialdehyde detection: a food spoilage indicator. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 8553-8558	7.1	18
65	Dyeing properties of novel regenerated cellulosic fibers. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 3481-3488	2.9	18
64	Capture and chemical fixation of carbon dioxide by chitosan grafted multi-walled carbon nanotubes. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 41, 101237	7.6	17
63	Synthesis and spectral properties of azohydroxypyridone disperse dyes containing a fluorosulphonyl group. <i>Coloration Technology</i> , <b>2004</b> , 120, 241-246	2	17
62	Enhanced fluorescence norfloxacin substituted naphthalimide derivatives: Molecular docking and antibacterial activity. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1157, 292-299	3.4	15
61	Synthesis and spectral properties of phthalimide based alkali-clearable azo disperse dyes. <i>Fibers and Polymers</i> , <b>2008</b> , 9, 143-151	2	15
60	The synthesis and spectral properties of an encapsulated aminoazobenzene dye. <i>Dyes and Pigments</i> , <b>2009</b> , 82, 347-352	4.6	14
59	Effects of lugworm protease on the dyeing properties of protein fibers. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2009</b> , 15, 584-587	6.3	14
58	Alkaline weight reduction and dyeing properties of black dope-dyed poly(ethylene terephthalate) microfibre fabrics. <i>Coloration Technology</i> , <b>2017</b> , 133, 209-217	2	12
57	Colour fastness properties of alkali-clearable azo disperse dyes containing a fluoro-sulphonyl group. <i>Coloration Technology</i> , <b>2004</b> , 120, 56-60	2	12
56	Synthesis, and Evaluation of Silver Nanoparticles with Root Extract of for Antibacterial Activity Binding of Penicillin-Binding Protein-4. <i>Current Pharmaceutical Biotechnology</i> , <b>2020</b> , 21, 1674-1687	2.6	12
55	CO <sub>2</sub> adsorption and conversion of epoxides catalyzed by inexpensive and active mesoporous structured mixed-phase (anatase/brookite) TiO <sub>2</sub> . <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2019</b> , 34, 386-394	7.6	11
54	Dyeing properties of 4-amino-4'-fluorosulfonylazobenzene disperse dyes on poly(ethylene terephthalate). <i>Fibers and Polymers</i> , <b>2004</b> , 5, 134-138	2	11
53	Dyeing and fastness properties of phthalimide-based alkali-clearable azo disperse dyes on poly(ethylene terephthalate). <i>Coloration Technology</i> , <b>2009</b> , 125, 322-327	2	10

52	Optical Study of Chitosan-Ofloxacin Complex for Biomedical Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2011</b> , 48, 789-795	2.2	10
51	One-bath dyeing of poly(ethylene terephthalate)/cotton blends with alkali-clearable azo disperse dyes containing a fluorosulphonyl group. <i>Coloration Technology</i> , <b>2004</b> , 120, 156-160	2	10
50	Dyeing properties of bi-functional reactive dyes on a novel regenerated cellulosic fiber. <i>Fibers and Polymers</i> , <b>2004</b> , 5, 44-51	2	10
49	Changes in electrolyte concentrations alter the impedance during ischemia-reperfusion injury in rat brain. <i>Physiological Measurement</i> , <b>2019</b> , 40, 105004	2.9	9
48	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> , <b>2019</b> , 192, 162952	2.5	9
47	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> , <b>2020</b> , 50, 2199-2225	1.7	9
46	Effect of chelating agent in disperse dye dyeing on polyester fabric. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 2315-2321		9
45	Low-temperature carrier dyeing of poly(vinyl chloride) fibers with disperse dyes. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 3896-3904	2.9	9
44	Natural oil-based chemiluminescent nanodroplets for In vivo imaging of hydrogen peroxide. <i>Macromolecular Research</i> , <b>2014</b> , 22, 1136-1139	1.9	8
43	Preparation of PVA/PAN bicomponent nanofiber via electrospinning and selective dissolution. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 274-282	2.9	8
42	Reactive dyeing properties of novel regenerated cellulosic fibres. <i>Dyes and Pigments</i> , <b>2005</b> , 64, 9-16	4.6	8
41	Substituted phenothiazines: synthesis and in silico evaluation of D4 dopamine receptor inhibition. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	7
40	Alkaline weight reduction monitoring of sea-island type polyamide microfiber fabrics. <i>Fibers and Polymers</i> , <b>2006</b> , 7, 20-25	2	7
39	Amphiphilized poly(ethyleneimine) nanoparticles: a versatile multi-cargo carrier with enhanced tumor-homing efficiency and biocompatibility. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 198-206	7.3	6
38	Effects of mechanical force on crystalline structure of electrospun poly(1-butene) membranes. <i>Polymer International</i> , <b>2011</b> , 60, 1442-1445	3.3	5
37	One-bath dyeing of PET/cotton blends with azohydroxypyridone disperse dyes containing a fluorosulfonyl group. <i>Fibers and Polymers</i> , <b>2008</b> , 9, 128-133	2	5
36	Alkaline dissolution monitoring of radial-type polyester microfiber fabrics by a cationic dye-staining method. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 279-285	2.9	5
35	Printing properties of novel regenerated cellulosic fibers. <i>Fibers and Polymers</i> , <b>2004</b> , 5, 219-224	2	5

34	Dyeing of Polyester with 4-Fluorosulfonylphenylazo-5-pyrazolone Disperse Dyes and Application of Environment-Friendly Aftertreatment for Their High Color Fastness. <i>Materials</i> , <b>2019</b> , 12,	3.5	5
33	Effect of Acid Donors on the Dyeing of Nylon Fiber with Acid Milling Dyes. <i>Fibers and Polymers</i> , <b>2018</b> , 19, 2533-2540	2	5
32	Evaluation of the dyeability of the new eco-friendly regenerated cellulose. <i>Fibers and Polymers</i> , <b>2008</b> , 9, 152-159	2	4
31	Probing of an environmentally friendly regenerated cellulose material having bimorphic behavior. <i>Fibers and Polymers</i> , <b>2008</b> , 9, 691-697	2	4
30	Synthesis of 2,5-furandicarboxylic acid-enriched-chitosan for anti-inflammatory and metal ion uptake. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 179, 500-506	7.9	4
29	Application of Jackfruit Latex Gum as an Eco-friendly Binder to Pigment Printing. <i>Fibers and Polymers</i> , <b>2018</b> , 19, 2365-2371	2	4
28	Effect of kiwifruit protease on the characteristics of human hair. <i>Fibers and Polymers</i> , <b>2012</b> , 13, 1058-1064		3
27	Dye-resist properties of reactive dye-resist agents in acid dyeing of silk. <i>Fibers and Polymers</i> , <b>2007</b> , 8, 601-607	2	3
26	pH control for dyebath reuse in dyeing of polyamide with binary mixtures of acid dyes. <i>Fibers and Polymers</i> , <b>2004</b> , 5, 110-116	2	3
25	Synthesis, Characterization, and Functional Properties of ZnO-based Polyurethane Nanocomposite for Textile Applications. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 2227-2237	2	3
24	Sustainable low liquor ratio dyeing of cotton with C.I. Reactive Blue 21 using dioctyl sodium sulfosuccinate. <i>Textile Research Journal</i> , <b>2021</b> , 91, 1083-1093	1.7	3
23	Experimental and computational study of naphthalimide derivatives: Synthesis, optical, nonlinear optical and antiviral properties. <i>Optik</i> , <b>2021</b> , 246, 167748	2.5	3
22	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> , <b>2021</b> , 22, 382-386	2	3
21	Conditioning effect of a hair conditioner containing lugworm autolysate. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 2103-2110	2	2
20	Dye-resist properties of hetero-multifunctional dye-resist agents in acid dyeing of wool. <i>Fibers and Polymers</i> , <b>2006</b> , 7, 117-122	2	2
19	Synthesis of heteromultifunctional dye-resist agents containing chloro-s-triazine and $\beta$ -bromoacrylamide and their dye-resist properties in wool fabrics. <i>Coloration Technology</i> , <b>2006</b> , 122, 227-232	2	2
18	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> , <b>2022</b> , 4, 100244	2.1	2
17	On use of cellulose nanowhisiker to enhance the physical properties of electrospun biopolyurethane. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 44-51	2	2

16	Structure and hydrophilicity of azo-dye-derived rotaxane: density functional theory approach. <i>Coloration Technology</i> , <b>2017</b> , 133, 382-390	2	1
15	Supramolecular structures and dyeing properties of poly(ethylene terephthalate) industrial yarns for seat-belt webbings. <i>Coloration Technology</i> , <b>2011</b> , 127, 376-382	2	1
14	Physiochemical, circular dichroism-induced helical conformation and optical property of chitosan azo-based amino methanesulfonate complex. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 124, n/a-n/a	2.9	1
13	Triazine based nanoarchitectonics of porous organic polymers for CO <sub>2</sub> storage. <i>Materials Letters</i> , <b>2022</b> , 313, 131757	3.3	1
12	Synthesis, characterization and application of chitosan-N-(4-hydroxyphenyl)-methacrylamide derivative as a drug and gene carrier. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> ,	7.9	1
11	Optimization and evaluation of ciprofloxacin-loaded collagen/chitosan scaffolds for skin tissue engineering. <i>3 Biotech</i> , <b>2021</b> , 11, 160	2.8	1
10	Bleaching of Jute-Cotton blend fabric with Peracetic acid for deep dyeing. <i>Journal of Fiber Science and Technology</i> , <b>2021</b> , 77, 146-156	0.8	1
9	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
8	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> , <b>2018</b> , 134, 206-213	2	1
7	Arginine containing chitosan-graphene oxide aerogels for highly efficient carbon capture and fixation. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2022</b> , 59, 101958	7.6	1
6	New Sizing System Development of Korean Male Military Winter Jacket. <i>Journal of the Korean Society of Clothing and Textiles</i> , <b>2016</b> , 40, 954-965	1.1	0
5	Synthesis of Antibacterial Disulfide Derivatives and its Computational Molecular Docking Against Penicillin Binding Protein. <i>Analytical Chemistry Letters</i> , <b>2021</b> , 11, 618-634	1	0
4	Gelatin grafted poly(D,L-lactide) as an inhibitor of protein aggregation: An in vitro case study. <i>Biopolymers</i> , <b>2020</b> , 111, e23383	2.2	
3	Synthesis and characterization of mono-6-deoxy-6-aminopropylamino-β-cyclodextrin polymer functionalized with graphene oxide. <i>Inorganic and Nano-Metal Chemistry</i> , <b>2020</b> , 50, 286-291	1.2	
2	Preparation and application of ultrahigh-pressure-homogenised aminosilicon-based softeners. <i>Coloration Technology</i> , <b>2014</b> , 130, 174-179	2	
1	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> , <b>2021</b> , 91, 361-368	0.9	