

# Jae Pil Kim

## List of Publications by Year in descending order

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68  
papers

1,206  
citations

394286

19  
h-index

434063

31  
g-index

68  
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68  
docs citations

68  
times ranked

1066  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dependence of the material properties of diimmonium dyes for NIR absorbing films on the type of counter anions. <i>Progress in Organic Coatings</i> , 2022, 170, 106978.	1.9	1
2	Luminescent solar concentrator utilizing energy transfer paired aggregation-induced emissive fluorophores. <i>International Journal of Energy Research</i> , 2021, 45, 17971-17981.	2.2	12
3	A study of the diimmonium dyes employing bis(fluorosulfonyl)imide anions for NIR absorbing film of CMOS image sensor. <i>Dyes and Pigments</i> , 2021, 190, 109288.	2.0	11
4	Electron transport and photosynthetic performance in <i>Fragaria</i> – <i>Ananassa</i> Duch. acclimated to the solar spectrum modified by a spectrum conversion film. <i>Photosynthesis Research</i> , 2021, , 1.	1.6	9
5	Binder-endowed thermal stability of diimmonium dye-based near-infrared (NIR) absorbing films. <i>Materials Chemistry and Physics</i> , 2021, 270, 124773.	2.0	5
6	Highly efficient light-converting films based on diketopyrrolopyrrole with deep-red aggregation-induced emission for enhancing the lipid productivity of <i>Chlorella</i> sp.. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5205-5215.	2.5	8
7	Quantitative methods for evaluating the conversion performance of spectrum conversion films and testing plant responses under simulated solar conditions. <i>Horticulture Environment and Biotechnology</i> , 2020, 61, 999-1009.	0.7	16
8	Enhancement of Lipid Productivity of <i>Chlorella</i> sp. Using Light-Converting Red Fluorescent Films Based on Aggregation-Induced Emission. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15888-15897.	3.2	22
9	Effect of linker moiety on linear dimeric benzotriazole derivatives as highly stable UV absorber for transparent polyimide film. <i>Dyes and Pigments</i> , 2020, 180, 108469.	2.0	15
10	Effect of weakly coordinating anions on photo-stability enhancement of basic dyes in organic solvents. <i>Dyes and Pigments</i> , 2019, 160, 765-771.	2.0	16
11	Synthesis of bay-linked perylene dimers with enhanced solubility for high optical density black matrix material. <i>Dyes and Pigments</i> , 2019, 171, 107695.	2.0	2
12	Fluorescence Quenching of 4,4-Dimethoxytriphenylamine-Substituted Diketopyrrolopyrrole via Intramolecular Photoinduced Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24263-24274.	1.5	15
13	Aggregation induced emission of diketopyrrolopyrrole (DPP) derivatives for highly fluorescent red films. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1064-1074.	1.6	25
14	Multi-bandgap Solar Energy Conversion via Combination of Microalgal Photosynthesis and Spectrally Selective Photovoltaic Cell. <i>Scientific Reports</i> , 2019, 9, 18999.	1.6	19
15	Rapid and efficient method for removal of basic dyes from wastewater with bis(trifluoromethanesulfonyl)imide anion. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S146.	1.3	2
16	Application of perylene dyes for low dielectric hybrid-type black matrices. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 64, 237-244.	2.9	3
17	Improving nanoparticle dispersions of pigment and its application to a color filter: New phthalocyanine derivatives as synergist. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 58, 266-277.	2.9	9
18	A study on the fluorescence property of the perylene derivatives with methoxy groups. <i>Dyes and Pigments</i> , 2018, 148, 196-205.	2.0	7

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19	Synthesis and characterization of fluorescent dyes and their applications for the enhancement of growth rate of <i>Chlorella vulgaris</i> . <i>Dyes and Pigments</i> , 2018, 158, 142-150.	2.0	12
20	Low bandgap poly(fluorinated metallophthalocyanine- alt -diketopyrrolopyrrole)s with outstanding thermal stability. <i>Dyes and Pigments</i> , 2017, 142, 237-242.	2.0	12
21	Simple modification of basic dyes with bulky & symmetric WCAs for improving their solubilities in organic solvents without color change. <i>Scientific Reports</i> , 2017, 7, 46178.	1.6	7
22	Synthesis of high-soluble and non-fluorescent perylene derivatives and their effect on the contrast ratio of LCD color filters. <i>Dyes and Pigments</i> , 2017, 136, 836-845.	2.0	22
23	The effect of fluorescence of perylene red dyes on the contrast ratio of LCD color filters. <i>Dyes and Pigments</i> , 2016, 131, 293-300.	2.0	14
24	Analysis and Characterization of Dye-Based Black Matrix Film of Low Dielectric Constant Containing Phthalocyanine and Perylene Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 295-302.	0.9	4
25	Synthesis and characterization of bay-substituted perylene dyes for LCD black matrix of low dielectric constant. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 187-194.	0.9	8
26	Optimized molecular structures of guest–host system for highly efficient coatable polarizer. <i>Dyes and Pigments</i> , 2015, 121, 265-275.	2.0	3
27	Synthesis and characterization of novel perylene dyes with new substituents at terminal-position as colorants for LCD color filter. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 203-212.	0.9	18
28	Synthesis and characteristics of metal-phthalocyanines tetra-substituted at non-peripheral ( $\hat{1}\pm$ ) or peripheral ( $\hat{1}^2$ ) positions, and their applications in LCD color filters. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 82, 195-202.	0.9	18
29	Effect of dye structure on orientational behavior and transition dipole moments in coatable guest–host polarizers. <i>Dyes and Pigments</i> , 2015, 121, 30-37.	2.0	13
30	The influence of aggregation behavior of novel quinophthalone dyes on optical and thermal properties of LCD color filters. <i>Dyes and Pigments</i> , 2014, 101, 186-195.	2.0	22
31	Synthesis and characterization of novel triazatetrabenzcorrole dyes for LCD color filter and black matrix. <i>Dyes and Pigments</i> , 2013, 99, 357-365.	2.0	39
32	Synthesis and applications of new triphenylamine dyes with donor–donor–(bridge)–acceptor structure for organic dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2012, 36, 2025.	1.4	44
33	Synthesis and characterization of thermally stable dyes with improved optical properties for dye-based LCD color filters. <i>New Journal of Chemistry</i> , 2012, 36, 812.	1.4	45
34	Synthesis and characterization of solubility enhanced metal-free phthalocyanines for liquid crystal display black matrix of low dielectric constant. <i>Dyes and Pigments</i> , 2012, 92, 942-948.	2.0	41
35	Facile synthesis and characterization of novel coronene chromophores and their application to LCD color filters. <i>Dyes and Pigments</i> , 2012, 94, 34-39.	2.0	51
36	Efficiency enhancement of P3HT/PCBM bulk heterojunction solar cells by attaching zinc phthalocyanine to the chain-end of P3HT. <i>Journal of Materials Chemistry</i> , 2011, 21, 17209.	6.7	49

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37	The synthesis of thermally-stable red dyes for LCD color filters and analysis of their aggregation and spectral properties. <i>Dyes and Pigments</i> , 2011, 88, 166-173.	2.0	69
38	Synthesis, application and investigation of structure–thermal stability relationships of thermally stable water-soluble azo naphthalene dyes for LCD red color filters. <i>Dyes and Pigments</i> , 2011, 89, 1-8.	2.0	56
39	Synthesis and characterization of some perylene dyes for dye-based LCD color filters. <i>Dyes and Pigments</i> , 2011, 90, 82-88.	2.0	71
40	Improving the Contrast Ratio of Red Pixels in Liquid-Crystal Displays by Synthesizing Synergists from an Anthraquinone Colorant. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 533, 102-112.	0.4	12
41	The synthesis and application of thermally stable dyes for ink-jet printed LCD color filters. <i>Dyes and Pigments</i> , 2009, 81, 45-52.	2.0	76
42	Probing of an environmentally friendly regenerated cellulose material having bimorphic behavior. <i>Fibers and Polymers</i> , 2008, 9, 691-697.	1.1	5
43	Orientation Behavior of Dichroic Azo Dyes in Stretched Poly(vinyl alcohol) Films. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 463, 141/[423]-145/[427].	0.4	2
44	Polarizing Films Based on Oriented Poly(vinyl alcohol)-Dichroic Dyes. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 445, 65/[355]-70/[360].	0.4	8
45	Heterogeneous surface saponification of suspension-polymerized monodisperse poly(vinyl acetate) microspheres using various ions. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3567-3576.	2.5	14
46	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> , 2006, 122, 227-232.	0.7	2
47	Dye-resist properties of hetero-multifunctional dye-resist agents in acid dyeing of wool. <i>Fibers and Polymers</i> , 2006, 7, 117-122.	1.1	2
48	Preparation of poly(vinyl acetate) microspheres with narrow particle size distributions by low temperature suspension polymerization of vinyl acetate. <i>Journal of Applied Polymer Science</i> , 2006, 101, 4064-4070.	1.3	7
49	Preparation of novel syndiotactic poly(vinyl alcohol) microspheres through the low-temperature suspension copolymerization of vinyl pivalate and vinyl acetate and heterogeneous saponification. <i>Journal of Applied Polymer Science</i> , 2005, 95, 1539-1548.	1.3	26
50	Dyeing and fastness properties of vat dyes on a novel regenerated cellulosic fiber. <i>Fibers and Polymers</i> , 2005, 6, 244-249.	1.1	11
51	Synthesis and spectral properties of azohydroxypyridone disperse dyes containing a fluorosulphonyl group. <i>Coloration Technology</i> , 2004, 120, 241-246.	0.7	17
52	Colour fastness properties of alkali-clearable azo disperse dyes containing a fluoro-sulphonyl group. <i>Coloration Technology</i> , 2004, 120, 56-60.	0.7	13
53	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.	0.7	11
54	Dyeing properties of bi-functional reactive dyes on a novel regenerated cellulosic fiber. <i>Fibers and Polymers</i> , 2004, 5, 44-51.	1.1	10

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55	Printing properties of novel regenerated cellulosic fibers. <i>Fibers and Polymers</i> , 2004, 5, 219-224.	1.1	5
56	Dyeing properties of novel regenerated cellulosic fibers. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3481-3488.	1.3	19
57	Dispersant-free dyeing of polyester with temporarily solubilized azo disperse dyes from indole derivatives. <i>Fibers and Polymers</i> , 2003, 4, 66-70.	1.1	21
58	Effect of iodine absorption on the characteristics of syndiotacticity-rich high molecular weight poly(vinyl alcohol) microfibril. <i>Journal of Applied Polymer Science</i> , 2003, 87, 1519-1524.	1.3	8
59	Preparation of novel gold-coated syndiotactic poly(vinyl alcohol) microfibrils by sputtering. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2369-2372.	1.3	1
60	Low-temperature carrier dyeing of poly(vinyl chloride) fibers with disperse dyes. <i>Journal of Applied Polymer Science</i> , 2003, 90, 3896-3904.	1.3	10
61	Preparation and characterization of iodinated poly(vinyl alcohol) microfibril. <i>Macromolecular Symposia</i> , 2002, 180, 125-132.	0.4	8
62	A NOVEL SYNTHESIS OF SULFURIC ACID MONO-[2-(2-AMINO-ETHANESULFONYL)-ETHYL] ESTER FOR USE AS AN INTERMEDIATE IN THE PREPARATION OF REACTIVE DYES. <i>Synthetic Communications</i> , 2002, 32, 1601-1605.	1.1	4
63	Preparation of ultrahigh molecular weight syndiotactic poly(vinyl alcohol) microfibrillar fibers by low-temperature solution polymerization of vinyl pivalate in tertiary butyl alcohol and saponification. <i>Journal of Applied Polymer Science</i> , 2002, 85, 1992-2003.	1.3	7
64	Synthesis of temporarily solubilized reactive disperse dyes and their application to the polyester/cotton blend fabric. <i>Fibers and Polymers</i> , 2002, 3, 85-90.	1.1	13
65	Small-Angle and Wide-Angle X-ray Analyses of Syndiotactic Poly(vinyl alcohol) Microfibrils. <i>Macromolecules</i> , 2001, 34, 2615-2623.	2.2	40
66	Dyebath reuse in dyeing of nylon microfiber non-woven fabric with 1:2 metal complex dyes. <i>Fibers and Polymers</i> , 2001, 2, 35-40.	1.1	10
67	Evaluation of CIELAB-based colour-difference formulae using a new dataset. <i>Color Research and Application</i> , 2001, 26, 369-375.	0.8	14
68	Effect of emulsion polymerization conditions of vinyl acetate on the viscosity fluctuation and gelation behavior of aqueous poly(vinyl alcohol) solution. <i>Journal of Applied Polymer Science</i> , 2001, 82, 1897-1902.	1.3	15