Myungâ€“Seok Choi

List of Publications by Year
in descending order

31 papers	1,191 citations	687363 13 h-index	526287 27 g-index
32 all docs	32 docs citations	32 times ranked	1457 citing authors

#	Article	IF	Citations
1	Bioinspired Molecular Design of Light-Harvesting Multiporphyrin Arrays. Angewandte Chemie - International Edition, 2004, 43, 150-158.	13.8	398
2	Dendritic Multiporphyrin Arrays as Light-Harvesting Antennae: Effects of Generation Number and Morphology on Intramolecular Energy Transfer. Chemistry - A European Journal, 2002, 8, 2667.	3.3	180
3	A Large Dendritic Multiporphyrin Array as a Mimic of the Bacterial Light-Harvesting Antenna Complex: Molecular Design of an Efficient Energy Funnel for Visible Photons. Angewandte Chemie - International Edition, 2001, 40, 3194-3198.	13.8	148
4	Fullerene-Terminated Dendritic Multiporphyrin Arrays:â€œDendrimer Effectsâ€•on Photoinduced Charge Separation. Angewandte Chemie - International Edition, 2003, 42, 4060-4063.	13.8	124
5	Design and Properties of Porphyrinâ€based Singlet Oxygen Generator. Israel Journal of Chemistry, 2016, 56, 110-118.	2.3	43
6	Influence of Metal Ions on the Immobilization of Î²-Glucosidase Through Protein-Inorganic Hybrids. Indian Journal of Microbiology, 2019, 59, 370-374.	2.7	36
7	One-dimensional porphyrin H-aggregates induced by solvent polarity. Tetrahedron Letters, 2008, 49, 7050-7053.	1.4	33
8	Conversion of simulated biogas to electricity: Sequential operation of methanotrophic reactor effluents in microbial fuel cell. Energy, 2019, 189, 116309.	8.8	32
9	Dicyanovinylcoumarin as a turn-on fluorescent sensor for cyanide ion. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 351, 108-114.	3.9	25
10	Aggregation induced emission properties of naphthalimideâ€“coumarin conjugates with various intermolecular linkages. Dyes and Pigments, 2018, 158, 412-419.	3.7	21
11	Effects of molecular flexibility/rigidity on the AIE/AIEE properties of aromatic thiolsâ€“substituted 1,8â€“naphthalimides. Dyes and Pigments, 2019, 160, 483-491.	3.7	15
12	Turn-on fluorescent naphthalimideâ€“benzothiazole probe for cyanide detection and its two-mode aggregation-induced emission behavior. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119535.	3.9	13
13	Low-Temperature Solution-Processed Gate Dielectrics for High-Performance Organic Thin Film Transistors. Materials, 2015, 8, 6926-6934.	2.9	11
14	Preparation and Electrochemical Properties of Porous Carbon Nanofiber Electrodes Derived from New Precursor Polymer: 6FDA-TFMB. Polymers, 2020, 12, 1851.	4.5	11
15	Dendrimer Effects on Intermolecular Energy-Transfer of Photoexcited Triplet States of Dendritic Multiporphyrin Arrays and Electron Transfer vs Fullerene[60]. Bulletin of the Chemical Society of Japan, 2005, 78, 405-412.	3.2	9
16	Quinolineâ€substituted Zinc(<scp>II</scp>) Phthalocyanine for the Dual Detection of Ferric and Zinc Ions. Bulletin of the Korean Chemical Society, 2015, 36, 2179-2184.	1.9	8
17	Position and conjugationâ€“dependent aggregationâ€“induced emission enhancement properties of naphthalimideâ€“tetraphenylethylene conjugates. Dyes and Pigments, 2019, 168, 49-58.	3.7	8
18	Analysis on mass sensing characteristics of SWCNT-based nano-mechanical resonators using continuum mechanics based finite element analysis. Journal of Mechanical Science and Technology, 2015, 29, 4801-4806.	1.5	7

#	Article	IF	Citations
19	Shape-selective synthesis and photoluminescence of SnO2 nanostructures under different catalyst conditions. Applied Physics A: Materials Science and Processing, 2015, 121, 715-721.	2.3	5
20	Enhanced in vitro photocytotoxicity of water-soluble dendritic pheophorbide-a. Journal of Porphyrins and Phthalocyanines, 2015, 19, 830-837.	0.8	3
21	Coumarinâ€“tetraphenylethylene regioisomers: synthesis, photophysical and aggregation-induced emission properties. New Journal of Chemistry, 2020, 44, 4992-5000.	2.8	3
22	Dendritic Multiporphyrin Arrays as Light-Harvesting Antennae: Effects of Generation Number and Morphology on Intramolecular Energy Transfer. , 2002, 8, 2667.		3
23	Fabrication and Characterization of Erbium-Doped Fluoropolymer Patterns via UV-Nanoimprint Lithography for Use in Planar Optical Amplifiers. Molecular Crystals and Liquid Crystals, 2011, 551, 318-327.	0.9	2
24	Characteristic Fluorescence Response of (6â€Hydroxyâ€2â€naphthyl)ethenyl Pyridinium Dyes with Bovine Serum Albumin. Bulletin of the Korean Chemical Society, 2015, 36, 230-236.	1.9	2
25	Fabrication and Characterization of Erbium-Doped Polymer Patterns by Lift-Off Process for Planar Optical Amplifiers. Molecular Crystals and Liquid Crystals, 2011, 551, 273-282.	0.9	1
26	Synthesis and Optical Properties of Dendritic Porphyrin-Erbium Complexes. Molecular Crystals and Liquid Crystals, 2013, 583, 127-133.	0.9	1
27	Heat Resistant Polymer Matrix Containing Acrylo-Polyhedral Silsesquioxane for Erbium-Doped Waveguide Amplifier Applications. Molecular Crystals and Liquid Crystals, 2013, 586, 33-42.	0.9	1
28	Fabrication and Optical Properties of Erbium-Doped Polymer Films. Molecular Crystals and Liquid Crystals, 2010, 532, 156/[572]-164/[580].	0.9	0
29	Preparation and Physical Properties of Erbium-Doped Polymer Patterns by Micromolding in Capillaries for Optical Waveguide Amplifiers. Molecular Crystals and Liquid Crystals, 2012, 564, 222-232.	0.9	0
30	P-128: Ultralow Temperature Solution-processed Al2 O3 Gate Dielectrics using Photochemically Activated Nanocluster Precursors. Digest of Technical Papers SID International Symposium, 2018, 49, 1581-1583.	0.3	0
31	Synthesis and Characterization of Supramolecular Nanotubes of Tetraphenylethylene-Porphyrin Conjugates. Science of Advanced Materials, 2022, 14, 560-568.	0.7	0