

# Sung-Hoon Kim

## List of Publications by Year in descending order

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226  
papers

6,164  
citations

117625

34  
h-index

91884

69  
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229  
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229  
docs citations

229  
times ranked

8297  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopant-dependent thermoelectric performance of indoloindole-selenophene based conjugated polymer. <i>Chemical Engineering Journal</i> , 2022, 431, 133779.	12.7	13
2	Strain-Durable Dark Current in Near-Infrared Organic Photodetectors for Skin-Conformal Photoplethysmographic Sensors. <i>IScience</i> , 2022, 25, 104194.	4.1	12
3	Melanin biopolymer synthesis using a new melanogenic strain of <i>Flavobacterium kingsejongi</i> and a recombinant strain of <i>Escherichia coli</i> expressing 4-hydroxyphenylpyruvate dioxygenase from <i>F. kingsejongi</i> . <i>Microbial Cell Factories</i> , 2022, 21, 75.	4.0	6
4	Impact of Molecular Weight on Molecular Doping Efficiency of Conjugated Polymers and Resulting Thermoelectric Performances. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	13
5	Strategy for colorimetric and reversible recognition of strong acid in solution, solid, and dyed fabric conditions: Substitution of aminophenoxy groups to phthalocyanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 280, 121565.	3.9	0
6	Synergistic Effect of Excited State Property and Aggregation Characteristic of Organic Semiconductor on Efficient Hole-Transportation in Perovskite Device. <i>Advanced Functional Materials</i> , 2021, 31, 2007180.	14.9	8
7	Optimized selection of dopant solvents for improving the sequential doping efficiency of conjugated polymers. <i>Organic Electronics</i> , 2021, 90, 106061.	2.6	7
8	Suppression of Defects Through Cation Substitution: A Strategic Approach to Improve the Performance of Kesterite $\text{Cu}_2\text{ZnSn}(\text{S},\text{Se})_4$ Solar Cells Under Indoor Light Conditions. <i>Solar Rrl</i> , 2021, 5, 2100020.	5.8	10
9	Strategic Approach for Enhancing Sensitivity of Ammonia Gas Detection: Molecular Design Rule and Morphology Optimization for Stable Radical Anion Formation of Rylene Diimide Semiconductors. <i>Advanced Functional Materials</i> , 2021, 31, 2101981.	14.9	10
10	Probing Charge Carrier Properties and Ion Migration Dynamics of Indoor Halide Perovskite PV Devices Using Top- and Bottom-Illumination SPM Studies. <i>Advanced Energy Materials</i> , 2021, 11, 2101739.	19.5	9
11	A tetrazine-fused aggregation induced emission luminogen for bioorthogonal fluorogenic bioprobe. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129966.	7.8	15
12	Highly sensitive, selective, and rapid response colorimetric chemosensor for naked eye detection of hydrogen sulfide gas under versatile conditions: Solution, thin-film, and wearable fabric. <i>Sensors and Actuators B: Chemical</i> , 2021, 341, 130013.	7.8	17
13	Side-group engineering of semiconducting naphthalene diimide derivatives with high solution-processability and high thermal stability. <i>Organic Electronics</i> , 2021, 100, 106348.	2.6	2
14	High Efficiency Doping of Conjugated Polymer for Investigation of Intercorrelation of Thermoelectric Effects with Electrical and Morphological Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1151-1158.	8.0	32
15	Device design rules and operation principles of high-power perovskite solar cells for indoor applications. <i>Nano Energy</i> , 2020, 68, 104321.	16.0	70
16	Full Color Tunable Aggregation-Induced Emission Luminogen for Bioimaging Based on an Indolizine Molecular Framework. <i>Bioconjugate Chemistry</i> , 2020, 31, 2522-2532.	3.6	25
17	Investigation of low intensity light performances of kesterite CZTSe, CZTSSe, and CZTS thin film solar cells for indoor applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14538-14544.	10.3	40
18	Colorimetric Textile Sensor for the Simultaneous Detection of $\text{NH}_3$ and $\text{HCl}$ Gases. <i>Polymers</i> , 2020, 12, 2595.	4.5	21

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19	Washable Colorimetric Nanofiber Nonwoven for Ammonia Gas Detection. <i>Polymers</i> , 2020, 12, 1585.	4.5	21
20	Improvement of Electrical Conductivity in Conjugated Polymers through Cascade Doping with Small-Molecular Dopants. <i>Advanced Materials</i> , 2020, 32, e2005129.	21.0	26
21	Exploring Wholly Doped Conjugated Polymer Films Based on Hybrid Doping: Strategic Approach for Optimizing Electrical Conductivity and Related Thermoelectric Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2004598.	14.9	32
22	Unraveling Doping Capability of Conjugated Polymers for Strategic Manipulation of Electric Dipole Layer toward Efficient Charge Collection in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2001560.	14.9	38
23	Chromogenic detection of hydrogen sulfide using squarylium-based chemosensors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118457.	3.9	6
24	Strategic Side-Chain Engineering Approach for Optimizing Thermoelectric Properties of Isoindigo-Based Conjugated Polymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2729-2735.	4.4	11
25	Fabrication of Colorimetric Textile Sensor Based on Rhodamine Dye for Acidic Gas Detection. <i>Polymers</i> , 2020, 12, 431.	4.5	21
26	Chiral Stereoisomer Engineering of Electron Transporting Materials for Efficient and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1905951.	14.9	22
27	Side-chain engineering of conjugated polymers toward highly efficient near-infrared organic photo-detectors via morphology and dark current management. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7765-7771.	5.5	10
28	Acid(g)/base(g)-controlled reversible $\lambda_{max}$ of absorption spectrum of a functional dye film. <i>Dyes and Pigments</i> , 2020, 180, 108457.	3.7	0
29	Chlorine Incorporation in Perovskite Solar Cells for Indoor Light Applications. <i>Cell Reports Physical Science</i> , 2020, 1, 100273.	5.6	21
30	Colorimetric chemosensor for detection of a volatile organic compound, ethylamine, under versatile conditions: Solution, thin-film, and dyed fabric. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127079.	7.8	8
31	Doping characteristics of isoindoloindole-based conjugated polymer toward robust transformable organic conductor. <i>Organic Electronics</i> , 2019, 75, 105435.	2.6	12
32	Gas-Induced Ion-Free Stable Radical Anion Formation of Organic Semiconducting Solids as Highly Gas-Selective Probes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35904-35913.	8.0	14
33	Realizing a highly luminescent perovskite thin film by controlling the grain size and crystallinity through solvent vapour annealing. <i>Nanoscale</i> , 2019, 11, 5861-5867.	5.6	25
34	Catalytically Active Au Layers Grown on Pd Nanoparticles for Direct Synthesis of $H_2O_2$ : Lattice Strain and Charge-Transfer Perspective Analyses. <i>ACS Nano</i> , 2019, 13, 4761-4770.	14.6	42
35	A New Infrared Probe Targeting Mitochondria via Regulation of Molecular Hydrophobicity. <i>Bioconjugate Chemistry</i> , 2019, 30, 210-217.	3.6	14
36	Morphology and charge recombination effects on the performance of near-infrared photodetectors based on conjugated polymers. <i>Organic Electronics</i> , 2019, 64, 274-279.	2.6	13

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37	Homochiral Asymmetric $\alpha$ -Shaped Electron $\pi$ -Transporting Materials for Efficient Non $\alpha$ -Fullerene Perovskite Solar Cells. <i>ChemSusChem</i> , 2019, 12, 224-230.	6.8	32
38	Nonfullerene Electron Transporting Material Based on Naphthalene Diimide Small Molecule for Highly Stable Perovskite Solar Cells with Efficiency Exceeding 20%. <i>Advanced Functional Materials</i> , 2018, 28, 1800346.	14.9	83
39	Reconsideration of the Zincke salt: An efficient colorimetric chemosensor for detection of ethylamines. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 378-383.	3.9	2
40	High contrast fluorescence switching based on CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite nanoparticles in photochromic composites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 279-283.	3.9	9
41	Non $\alpha$ -Fullerene Organic Electron $\pi$ -Transporting Materials for Perovskite Solar Cells. <i>ChemSusChem</i> , 2018, 11, 3882-3892.	6.8	27
42	Management of transition dipoles in organic hole-transporting materials under solar irradiation for perovskite solar cells. <i>Nature Communications</i> , 2018, 9, 4537.	12.8	64
43	Conductivity Enhancement of Nickel Oxide by Copper Cation Codoping for Hybrid Organic-Inorganic Light-Emitting Diodes. <i>ACS Photonics</i> , 2018, 5, 3389-3398.	6.6	12
44	Interpretation of Absorption Spectra of Some Bisazomethine Dyes in a Crystalline State in Terms of Conformational Change and Exciton Interaction. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1498-1505.	3.2	1
45	Simple Solvent Engineering for High-Mobility and Thermally Robust Conjugated Polymer Nanowire Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 29824-29830.	8.0	25
46	Some properties of a new D $\pi$ -A dye based on hydroxyl-methoxybenzene donor and isophorone acceptor moiety: Effects of anion, ethylamine and temperature. <i>Dyes and Pigments</i> , 2018, 159, 158-165.	3.7	10
47	Spectroscopic study on the interaction of organic-inorganic hybrid perovskite nanoparticles with linear aliphatic alcohols. <i>Dyes and Pigments</i> , 2017, 143, 71-75.	3.7	13
48	Bistable Solid $\pi$ -State Fluorescence Switching in Photoluminescent, Infinite Coordination Polymers. <i>Chemistry - A European Journal</i> , 2017, 23, 10017-10022.	3.3	6
49	Detection of volatile organic compounds (VOCs), aliphatic amines, using highly fluorescent organic-inorganic hybrid perovskite nanoparticles. <i>Dyes and Pigments</i> , 2017, 147, 1-5.	3.7	50
50	Electrical properties of photo-crosslinked fullerene thin films. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 655, 35-39.	0.9	0
51	Highly Luminescent 2D $\pi$ -Type Slab Crystals Based on a Molecular Charge $\pi$ -Transfer Complex as Promising Organic Light $\pi$ -Emitting Transistor Materials. <i>Advanced Materials</i> , 2017, 29, 1701346.	21.0	111
52	Chemical Management Regulations of Korea. <i>Journal of the Japan Society of Colour Material</i> , 2017, 90, 293-299.	0.1	0
53	Tilted Orientation of Photochromic Dyes with Guest-Host Effect of Liquid Crystalline Polymer Matrix for Electrical UV Sensing. <i>Sensors</i> , 2016, 16, 38.	3.8	7
54	Self $\pi$ -Assembled Organic Single Crystalline Nanosheet for Solution Processed High $\pi$ -Performance n $\pi$ -Channel Field $\pi$ -Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 6011-6015.	21.0	35

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55	Stimuli-Responsive Reversible Fluorescence Switching in a Crystalline Donor-Acceptor Mixture Film: Mixed Stack Charge-Transfer Emission versus Segregated Stack Monomer Emission. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 203-207.	13.8	147
56	New $\pi$ -conjugated cyanostilbene derivatives: Synthesis, characterization and aggregation-induced emission. <i>Chinese Chemical Letters</i> , 2016, 27, 1592-1596.	9.0	20
57	Sub-second pyridine gas detection using a organometal halide perovskite functional dye. <i>Dyes and Pigments</i> , 2016, 134, 198-202.	3.7	30
58	Synthesis and VOC ethylamine sensing properties of new colorimetric chemosensor based on thiobarbituric-isophorone chromophore. <i>Fibers and Polymers</i> , 2016, 17, 1801-1805.	2.1	1
59	Colorimetric polarity chemosensor based on a organometal halide perovskite functional dye. <i>Dyes and Pigments</i> , 2016, 133, 73-78.	3.7	10
60	[1,2-Biindenylidene-3,1-trion(bindone): Colorimetric detection of volatile organic compounds(VOCs) ethylamine using highly selective Hg <sup>2+</sup> chemosensor in aqueous solution. <i>Dyes and Pigments</i> , 2016, 133, 184-188.	3.7	10
61	Importance of Molds for Nanoimprint Lithography: Hard, Soft, and Hybrid Molds. <i>Journal of Nanoscience</i> , 2016, 2016, 1-12.	2.6	43
62	Dye, Functional. , 2016, , 586-591.		0
63	Enhanced crystalline morphology of a ladder-type polymer bulk-heterojunction device by blade-coating. <i>Nanoscale</i> , 2015, 7, 10936-10939.	5.6	10
64	Nobel application of Pyrogallol Red as high sensitive nanofiber chemosensor of volatile organic compound ethylamine. <i>Fibers and Polymers</i> , 2015, 16, 949-952.	2.1	4
65	Synthesis of Isophorone based D-A Type Chemosensor for the Response of Hg <sup>2+</sup> . <i>Molecular Crystals and Liquid Crystals</i> , 2015, 622, 94-102.	0.9	0
66	High-Performance Fully Printable Perovskite Solar Cells via Blade-Coating Technique under the Ambient Condition. <i>Advanced Energy Materials</i> , 2015, 5, 1500328.	19.5	294
67	Novel styrylbenzothiazolium dye-based sensor for mercury, cyanide and hydroxide ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 226-234.	3.9	34
68	Room-temperature, solution-processable organic electron extraction layer for high-performance planar heterojunction perovskite solar cells. <i>Nanoscale</i> , 2015, 7, 17343-17349.	5.6	64
69	Highly luminescent N, S- Co-doped carbon dots and their direct use as mercury(II) sensor. <i>Analytica Chimica Acta</i> , 2015, 890, 134-142.	5.4	153
70	The synthesis and spectral properties of a stimuli-responsive D-A charge transfer dye based on phenol donor and isophorone acceptor moiety. <i>Fibers and Polymers</i> , 2015, 16, 1605-1610.	2.1	1
71	The effect of terminal dimethyl and diethyl substituents on the J-aggregate-like molecular arrangement of bisazomethine dye molecules. <i>CrystEngComm</i> , 2015, 17, 7213-7226.	2.6	5
72	High-Performance and Environmentally Stable Planar Heterojunction Perovskite Solar Cells Based on a Solution-Processed Copper-Doped Nickel Oxide Hole-Transporting Layer. <i>Advanced Materials</i> , 2015, 27, 695-701.	21.0	751

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73	Enhanced Environmental Stability of Planar Heterojunction Perovskite Solar Cells Based on Blade-Coating. <i>Advanced Energy Materials</i> , 2015, 5, 1401229.	19.5	303
74	A Highly Selective Ratiometric Chemosensor for Hg <sup>2+</sup> Based on 1,2-Diaminoanthraquinone. <i>Journal of Fiber Science and Technology</i> , 2014, 70, 254-257.	0.0	4
75	Chromene and Imidazole Based D-π-A Chemosensor Preparation and Its Anion Responsive Effects. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 599, 16-22.	0.9	7
76	Emission: Highly Fluorescent and Color-Tunable Exciplex Emission from Poly(N-vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors ( <i>Adv. Funct. Mater.</i> 19/2014). <i>Advanced Functional Materials</i> , 2014, 24, 2745-2745.	14.9	1
77	All Solution-Processed Inorganic/Organic Hybrid Permeable Metal-Base Transistor. <i>Small</i> , 2014, 10, 3650-3654.	10.0	5
78	Effect of Nano-Porosity on High Gain Permeable Metal-Base Transistors. <i>Advanced Functional Materials</i> , 2014, 24, 6056-6065.	14.9	17
79	Characteristics of Guajazulene Based Chemosensor Toward CN <sup>-</sup> and F <sup>-</sup> Anions. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 600, 189-195.	0.9	3
80	Spectral properties of highly selective chemosensor for Hg <sup>2+</sup> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 646-649.	3.9	6
81	Chromogenic sensing of biological thiols using squarylium dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 642-645.	3.9	8
82	Highly Fluorescent and Color-Tunable Exciplex Emission from Poly(N-vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors. <i>Advanced Functional Materials</i> , 2014, 24, 2746-2753.	14.9	31
83	Phosphorescent dye-doped hole transporting layer for organic light-emitting diodes. <i>Organic Electronics</i> , 2014, 15, 2381-2386.	2.6	11
84	Preparation and characterization of polyurethane foam using a PLA/PEG polyol mixture. <i>Fibers and Polymers</i> , 2014, 15, 1349-1356.	2.1	21
85	Nickel Oxide Hole Injection/Transport Layers for Efficient Solution-Processed Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2014, 26, 4528-4534.	6.7	182
86	A specific colorimetric signaling of biological thiols based on intermolecular n-π charge transfer interaction. <i>Fibers and Polymers</i> , 2014, 15, 891-893.	2.1	3
87	Colorimetric chemodosimeter for cyanide detection based on spiropyran derivative and its thermodynamic studies. <i>Dyes and Pigments</i> , 2014, 102, 228-233.	3.7	28
88	Anion sensing and F <sup>-</sup> -induced reversible photoreaction of D-π-A type dye containing imidazole moiety as donor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 810-813.	3.9	9
89	Highly sensitive sensing of volatile organic compound ethylamine. <i>Dyes and Pigments</i> , 2014, 108, 93-97.	3.7	10
90	High-Mobility n-Type Organic Transistors Based on a Crystallized Diketopyrrolopyrrole Derivative. <i>Advanced Functional Materials</i> , 2013, 23, 3519-3524.	14.9	68

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91	The mechanical properties of polyurethane foam wound dressing hybridized with alginate hydrogel and jute fiber. <i>Fibers and Polymers</i> , 2013, 14, 173-181.	2.1	30
92	Halochromic chemosensor prepared by pyran-based nanofibers. <i>Fibers and Polymers</i> , 2013, 14, 1981-1984.	2.1	6
93	Remarkable Mobility Increase and Threshold Voltage Reduction in Organic Field-Effect Transistors by Overlaying Discontinuous Nano-Patches of Charge-Transfer Doping Layer on Top of Semiconducting Film. <i>Advanced Materials</i> , 2013, 25, 719-724.	21.0	59
94	Fluorescence quenching of carbazole by 2-chloro-3,5-dinitrobenzotrifluoride-ethylamines intermolecular charge-transfer complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 453-455.	3.9	5
95	Tailor-Made Highly Luminescent and Ambipolar Transporting Organic Mixed Stacked Charge-Transfer Crystals: An Isometric Donor-Acceptor Approach. <i>Journal of the American Chemical Society</i> , 2013, 135, 4757-4764.	13.7	288
96	Design and synthesis of novel chemosensor based on rhodamine 6G monitoring heavy metal ions. <i>Supramolecular Chemistry</i> , 2013, 25, 87-91.	1.2	12
97	Properties and characteristics of squarylium-based chemosensors for Hg <sup>2+</sup> . <i>Supramolecular Chemistry</i> , 2013, 25, 61-64.	1.2	4
98	Organic Field-Effect Transistors: Remarkable Mobility Increase and Threshold Voltage Reduction in Organic Field-Effect Transistors by Overlaying Discontinuous Nano-Patches of Charge-Transfer Doping Layer on Top of Semiconducting Film ( <i>Adv. Mater.</i> 5/2013). <i>Advanced Materials</i> , 2013, 25, 646-646.	21.0	3
99	Dye, Functional. , 2013, , 1-7.		0
100	Spectroscopic Characterization of Heptamethine Cyanine Dyes for the Interaction with the CN-and F-Molecular Crystals and Liquid Crystals, 2012, 566, 61-66.	0.9	4
101	Highly efficient and stable deep-blue emitting anthracene-derived molecular glass for versatile types of non-doped OLED applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 123-129.	6.7	152
102	High-Performance <i>n</i> -Type Organic Transistor with a Solution-Processed and Exfoliation-Transferred Two-Dimensional Crystalline Layered Film. <i>Chemistry of Materials</i> , 2012, 24, 3263-3268.	6.7	57
103	Luminescence switching of CdTe quantum dots in presence of water-soluble spironaphthoxazine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 699-702.	3.9	7
104	Optical properties of photo- and thermo-responsive aqueous CdTe quantum dots/spironaphthoxazine/poly(N-isopropylacrylamide) hybrid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 806-810.	3.9	7
105	Nanoscale luminescence and optical waveguiding characteristics of organic CN-TFMBE nanowires and hybrid coaxial nanowires. <i>Synthetic Metals</i> , 2012, 162, 1299-1302.	3.9	2
106	Design, Synthesis and Optical Property of Rhodamine 6G Based New Dye Sensor. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 566, 45-53.	0.9	11
107	pH Triggered Dye Chemosensor: Design, Synthesis and Optical Switching Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 566, 106-111.	0.9	0
108	Benzothiazole and indole based dye sensor: Optical switching functions with pH stimuli. <i>Fibers and Polymers</i> , 2012, 13, 1101-1104.	2.1	7

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109	Photoswitching electrospun nanofiber based on a spironaphthoxazine- $\pi$ -isophorone-based fluorescent dye system. <i>Dyes and Pigments</i> , 2012, 92, 542-547.	3.7	16
110	pH triggered switching dye sensor based on furan and pyrone units. <i>Fibers and Polymers</i> , 2012, 13, 159-161.	2.1	0
111	Kass-controlled Hg <sup>2+</sup> transport from Crystal Violet Lactone to Fluoran. <i>Dyes and Pigments</i> , 2012, 92, 1058-1061.	3.7	8
112	The synthesis and spectral properties of a stimuli-responsive D- $\pi$ -A charge transfer dye based on indole donor and dicyanomethylene acceptor moiety. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 294-298.	3.9	7
113	Switching properties of fluorescent photochromic poly(methyl methacrylate) with spironaphthoxazine and D- $\pi$ -A type pyran-based fluorescent dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 600-604.	3.9	7
114	Ionic comonomer effect of poly(N-isopropylacrylamide) copolymer containing D- $\pi$ -A type pyran-based fluorescent dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 33-36.	3.9	1
115	Temperature-modulated quenching and photoregulated optical switching of poly(N-isopropylacrylamide)/spironaphthoxazine/Rhodamine B hybrid in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 308-311.	3.9	4
116	Squarylium-based chromogenic anion sensors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 25-28.	3.9	10
117	Hemicyanine-based colorimetric chemosensors: Different recognition mechanisms for CN <sup>-</sup> sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 77-81.	3.9	18
118	Electro-optical and electrochemical properties of an ionic polyacetylene derivative with azobenzene anisole moieties. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 55-60.	5.8	16
119	Multiple switching behaviors of poly(N-isopropylacrylamide) hydrogel with spironaphthoxazine and D- $\pi$ -A type dye. <i>Journal of Luminescence</i> , 2012, 132, 665-670.	3.1	14
120	Modulation of a fluorescence switch of nanofiber mats containing photochromic spironaphthoxazine and D- $\pi$ -A charge transfer dye. <i>Journal of Luminescence</i> , 2012, 132, 1427-1431.	3.1	11
121	Mesomorphic Organization and Thermochromic Luminescence of Dicyanodistyrylbenzene-Based Phasmidic Molecular Disks: Uniaxially Aligned Hexagonal Columnar Liquid Crystals at Room Temperature with Enhanced Fluorescence Emission and Semiconductivity. <i>Advanced Functional Materials</i> , 2012, 22, 61-69.	14.9	159
122	High-Performance $n$ -type Organic Semiconductors: Incorporating Specific Electron-Withdrawing Motifs to Achieve Tight Molecular Stacking and Optimized Energy Levels. <i>Advanced Materials</i> , 2012, 24, 911-915.	21.0	89
123	Effects of alkoxy substitution on the crystal structure of 2,3-bis[(E)-4-(diethylamino)-2-alkoxybenzylideneamino]fumaronitrile derivatives. <i>CrystEngComm</i> , 2011, 13, 5374.	2.6	11
124	Synthesis and Spectral Properties of a Highly Selective D- $\pi$ -A Based Dye Chemosensor. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 538, 327-332.	0.9	4
125	Exploring the minimal structure of a wholly aromatic organogelator: simply adding two $\beta$ -cyano groups to distyrylbenzene. <i>Journal of Materials Chemistry</i> , 2011, 21, 18971.	6.7	51
126	Temperature and acid/base-driven dual switching of poly(N-isopropylacrylamide) hydrogel with Azo dye. <i>Fibers and Polymers</i> , 2011, 12, 142-144.	2.1	3



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127	The preparation of polyurethane foam combined with pH-sensitive alginate/bentonite hydrogel for wound dressings. <i>Fibers and Polymers</i> , 2011, 12, 159-165.	2.1	54
128	Fluorescent thermometer based on poly(N-vinylcaprolactam) with 2D- $\pi$ -A type pyran-based fluorescent dye. <i>Fibers and Polymers</i> , 2011, 12, 288-290.	2.1	11
129	Isophorone and pyrrole based push-pull system dye: Design, preparation and spectral switching on pH/fluoride ion. <i>Fibers and Polymers</i> , 2011, 12, 692-695.	2.1	5
130	Quinaldine and Indole based pH sensitive Textile chemosensor. <i>Fibers and Polymers</i> , 2011, 12, 696-699.	2.1	4
131	Dithiosquarylium-based colorimetric sensors for Hg <sup>2+</sup> . <i>Fibers and Polymers</i> , 2011, 12, 836-838.	2.1	6
132	Novel triazacarbocyanine dye sensor synthesis: pH switching effect. <i>Fibers and Polymers</i> , 2011, 12, 976-978.	2.1	1
133	Photoswitching of bithienylethene using 2D- $\pi$ -A type pyran-based fluorescent dye for rewritable optical storage. <i>Dyes and Pigments</i> , 2011, 89, 188-192.	3.7	29
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