

Sung-Hoon Kim

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	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
2	Enhanced Environmental Stability of Planar Heterojunction Perovskite Solar Cells Based on Blade-Coating. <i>Advanced Energy Materials</i> , 2015, 5, 1401229.	19.5	303
3	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
4	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
5	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
6	Mesomorphic Organization and Thermochromic Luminescence of Dicyanodistyrylbenzene-Based Phasmodic 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
7	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
8	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
9	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
10	Highly Luminescent 2D-Type Slab Crystals Based on a Molecular Charge-Transfer Complex as Promising Organic Light-Emitting Transistor Materials. <i>Advanced Materials</i> , 2017, 29, 1701346.	21.0	111
11	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
12	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
13	Synthesis and properties of poly-(2-ethynylpyridinium bromide) having propargyl side chains. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3151-3158.	2.3	80
14	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
15	High-Mobility n-Type Organic Transistors Based on a Crystallized Diketopyrrolopyrrole Derivative. <i>Advanced Functional Materials</i> , 2013, 23, 3519-3524.	14.9	68
16	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
17	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
18	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

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19	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
20	Preliminary exhaustion studies of spiroxazine dyes on polyamide fibers and their photochromic properties. <i>Dyes and Pigments</i> , 2006, 69, 18-21.	3.7	55
21	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
22	All-organic coaxial nanocables with interfacial charge-transfer layers: electrical conductivity and light-emitting-transistor behavior. <i>Journal of Materials Chemistry</i> , 2010, 20, 1062-1064.	6.7	52
23	Exploring the minimal structure of a wholly aromatic organogelator: simply adding two β -cyano groups to distyrylbenzene. <i>Journal of Materials Chemistry</i> , 2011, 21, 18971.	6.7	51
24	Exhaustion studies of spiroxazine dye having reactive anchor on polyamide fibers and its photochromic properties. <i>Dyes and Pigments</i> , 2007, 73, 76-80.	3.7	50
25	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
26	Synthesis and properties of spiroxazine polymer having photocrosslinkable chalcone moiety. <i>Dyes and Pigments</i> , 2005, 65, 179-182.	3.7	44
27	Dye- π -A solvatochromic charge transfer dyes containing a 2-cyanomethylene-3-cyano-4,5,5-trimethyl-2,5-dihydrofuran acceptor. <i>Dyes and Pigments</i> , 2010, 84, 169-175.	3.7	44
28	Importance of Molds for Nanoimprint Lithography: Hard, Soft, and Hybrid Molds. <i>Journal of Nanoscience</i> , 2016, 2016, 1-12.	2.6	43
29	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
30	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
31	Photophysical and electrochemical properties of Dye- π -A type solvatofluorochromic isophorone dye for pH molecular switch. <i>Current Applied Physics</i> , 2009, 9, 783-787.	2.4	39
32	Absorption spectra, aggregation and photofading behaviour of near-infrared absorbing squarylium dyes containing perimidine moiety. <i>Dyes and Pigments</i> , 2002, 55, 1-7.	3.7	38
33	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
34	A highly selective and sensitive colorimetric chemosensor for Fe ²⁺ based on fluoran dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 293-296.	3.9	36
35	Self-Assembled Organic Single Crystalline Nanosheet for Solution Processed High-Performance n-Channel Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 6011-6015.	21.0	35
36	Photoregulated optical switching of poly(N-isopropylacrylamide) hydrogel in aqueous solution with covalently attached spironaphthoxazine and Dye- π -A type pyran-based fluorescent dye. <i>Dyes and Pigments</i> , 2010, 87, 158-163.	3.7	34

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37	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
38	Optical properties of donor- π -(acceptor) n merocyanine dyes with dicyanovinylindane as acceptor group and triphenylamine as donor unit. <i>Dyes and Pigments</i> , 2009, 82, 293-298.	3.7	33
39	Homochiral Asymmetric α -Shaped Electron π -Transporting Materials for Efficient Non α -Fullerene Perovskite Solar Cells. <i>ChemSusChem</i> , 2019, 12, 224-230.	6.8	32
40	High Efficiency Doping of Conjugated Polymer for Investigation of Intercorrelation of Thermoelectric Effects with Electrical and Morphological Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1151-1158.	8.0	32
41	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
42	Red electroluminescent azomethine dyes derived from diaminomaleonitrile. <i>Dyes and Pigments</i> , 2005, 64, 45-48.	3.7	31
43	Highly Fluorescent and Color π -Tunable Exciplex Emission from Poly(π -vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors. <i>Advanced Functional Materials</i> , 2014, 24, 2746-2753.	14.9	31
44	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
45	Sub-second pyridine gas detection using a organometal halide perovskite functional dye. <i>Dyes and Pigments</i> , 2016, 134, 198-202.	3.7	30
46	2D π - π -A type pyran-based dye derivatives: Photophysical properties related to intramolecular charge transfer and their electroluminescence application. <i>Dyes and Pigments</i> , 2008, 78, 25-33.	3.7	29
47	Micromolding of a Highly Fluorescent Reticular Coordination Polymer: Solvent π -Mediated Reconfigurable Polymerization in a Soft Lithographic Mold. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3757-3761.	13.8	29
48	Photoswitching of bithienylethene using 2D- π -A type pyran-based fluorescent dye for rewritable optical storage. <i>Dyes and Pigments</i> , 2011, 89, 188-192.	3.7	29
49	A switching fluorescent photochromic carbazole π -spironaphthoxazine copolymer. <i>Dyes and Pigments</i> , 2008, 77, 245-248.	3.7	28
50	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
51	Bistable photoswitching in poly(N-isopropylacrylamide) with spironaphthoxazine hydrogel for optical data storage. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 198, 150-155.	3.9	27
52	Non α -Fullerene Organic Electron π -Transporting Materials for Perovskite Solar Cells. <i>ChemSusChem</i> , 2018, 11, 3882-3892.	6.8	27
53	A benzothiazole-based semisquarylium dye suitable for highly selective Hg $^{2+}$ sensing in aqueous media. <i>Dyes and Pigments</i> , 2009, 83, 324-327.	3.7	26
54	High performance n-type organic transistors based on a distyrylthiophene derivative. <i>Journal of Materials Chemistry</i> , 2010, 20, 10103.	6.7	26

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55	Improvement of Electrical Conductivity in Conjugated Polymers through Cascade Doping with Small-Molecular Dopants. <i>Advanced Materials</i> , 2020, 32, e2005129.	21.0	26
56	Photoinduced refractive index change of self-assembled spiroxazine monolayer based on surface plasmon resonance. <i>Dyes and Pigments</i> , 2000, 46, 55-62.	3.7	25
57	Functional dyes for surface plasmon resonance-based sensing system. , 2006, , 185-213.		25
58	Multiple switching photochromic poly(N-isopropylacrylamide) with spironaphthoxazine hydrogel. <i>Dyes and Pigments</i> , 2008, 78, 8-14.	3.7	25
59	Synthesis and property of solvatochromic fluorophore based on D-π-A molecular system: 2-[[3-Cyano-4-(N-ethyl-N-(2-hydroxyethyl)amino)styryl]-5,5-dimethylfuran-2(5H)-ylidene}malononitrile dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 225-229.	3.9	25
60	Simple Solvent Engineering for High-Mobility and Thermally Robust Conjugated Polymer Nanowire Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29824-29830.	8.0	25
61	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
62	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
63	Charge Transfer Dye in Various Polymers with Different Polarity: Synthesis, Photophysical Properties, and Unusual Aggregation-Induced Fluorescence Changes. <i>Macromolecules</i> , 2009, 42, 1733-1738.	4.8	24
64	Synthesis and properties of ionic conjugated polymer with spiroxazine moiety. <i>Dyes and Pigments</i> , 2006, 68, 61-67.	3.7	23
65	New solvatochromic merocyanine dyes based on Barbituric acid and Meldrum's acid. <i>Dyes and Pigments</i> , 2009, 80, 314-320.	3.7	23
66	The photo- and electrophysical properties of curcumin in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 76, 384-387.	3.9	23
67	Synthesis and photochromism of polyacetylene derivatives containing a spiroxazine moiety. <i>Dyes and Pigments</i> , 2003, 58, 127-133.	3.7	22
68	Comparative Study of Protein Immobilization Properties on Calixarene Monolayers. <i>Sensors</i> , 2007, 7, 1091-1107.	3.8	22
69	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
70	The preparation and spectroscopic study of self-assembled monolayers of a UV-sensitive spiroxazine dye on gold. <i>Dyes and Pigments</i> , 2000, 45, 51-57.	3.7	21
71	Preparation and characterization of polyurethane foam using a PLA/PEG polyol mixture. <i>Fibers and Polymers</i> , 2014, 15, 1349-1356.	2.1	21
72	Colorimetric Textile Sensor for the Simultaneous Detection of NH ₃ and HCl Gases. <i>Polymers</i> , 2020, 12, 2595.	4.5	21

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73	Washable Colorimetric Nanofiber Nonwoven for Ammonia Gas Detection. <i>Polymers</i> , 2020, 12, 1585.	4.5	21
74	Fabrication of Colorimetric Textile Sensor Based on Rhodamine Dye for Acidic Gas Detection. <i>Polymers</i> , 2020, 12, 431.	4.5	21
75	Chlorine Incorporation in Perovskite Solar Cells for Indoor Light Applications. <i>Cell Reports Physical Science</i> , 2020, 1, 100273.	5.6	21
76	Synthesis and switching properties of photochromic carbazole- <i>spironaphthoxazine</i> copolymer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 192, 17-22.	3.9	20
77	Selected-area in situ generation of highly fluorescent organic nanowires embedded in a polymer film: the solvent-vapor-induced self-assembly process. <i>Journal of Materials Chemistry</i> , 2010, 20, 7715.	6.7	20
78	New π -conjugated cyanostilbene derivatives: Synthesis, characterization and aggregation-induced emission. <i>Chinese Chemical Letters</i> , 2016, 27, 1592-1596.	9.0	20
79	Novel fluorescent chemosensor for Li ⁺ based on a squarylium dye carrying a monoazacrown moiety. <i>Dyes and Pigments</i> , 1999, 43, 21-25.	3.7	19
80	Light emitting properties of diheteryl-substituted styryl dyes. <i>Dyes and Pigments</i> , 2003, 59, 245-250.	3.7	18
81	Photochromic behaviour of poly[N,N-[(3-dimethylamino)propyl]methacrylamide] having spiroxazine pendant group. <i>Dyes and Pigments</i> , 2007, 72, 299-302.	3.7	18
82	Hemicyanine-based colorimetric chemosensors: Different recognition mechanisms for CN ⁻ sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 77-81.	3.9	18
83	The synthesis and spectral properties of a stimuli-responsive D- π -A charge transfer dye based on indole donor and 2-cyanomethylene-3-cyano-4,5,5-trimethyl-2,5-dihydrofuran acceptor moieties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 224-227.	3.9	17
84	Effect of Nano-Porosity on High Gain Permeable Metal-Base Transistors. <i>Advanced Functional Materials</i> , 2014, 24, 6056-6065.	14.9	17
85	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
86	New pH indicator based on 1,3-bisdicyanovinylindane. <i>Dyes and Pigments</i> , 2005, 64, 153-155.	3.7	16
87	Synthesis and properties of spiroxazine polymer derived from cyclopolymerization of diallyldimethylammonium chloride and diallylamine. <i>Dyes and Pigments</i> , 2005, 66, 155-160.	3.7	16
88	Nanovoid nature and compression effects in organic light emitting diode. <i>Applied Physics Letters</i> , 2007, 90, 143521.	3.3	16
89	Photoswitching electrospun nanofiber based on a spironaphthoxazine- <i>isophorone</i> -based fluorescent dye system. <i>Dyes and Pigments</i> , 2012, 92, 542-547.	3.7	16
90	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

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91	The crystalline-state photochromism, thermochromism and X-ray structural characterization of a new spiroxazine. <i>Dyes and Pigments</i> , 2003, 57, 149-159.	3.7	15
92	Synthesis and Characterization of Quinoline-based Dye Sensor. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 504, 173-180.	0.9	15
93	A tetrazine-fused aggregation induced emission luminogen for bioorthogonal fluorogenic bioprobe. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129966.	7.8	15
94	A self-assembled squarylium dye monolayer for the detection of metal ions by surface plasmon resonances. <i>Dyes and Pigments</i> , 1999, 44, 55-61.	3.7	14
95	Layer-by-layer self-assembled multilayer of cationic spiroxazine and polystyrenesulfonate. <i>Dyes and Pigments</i> , 2007, 72, 378-382.	3.7	14
96	Preparation and photochromism of poly(methyl methacrylate) microspheres containing spirooxazine. <i>Fibers and Polymers</i> , 2008, 9, 134-139.	2.1	14
97	Effect of phenyl ring substitution on J-aggregate formation ability of novel bisazomethine dyes in vapour-deposited films. <i>Dyes and Pigments</i> , 2011, 90, 56-64.	3.7	14
98	Multiple switching behaviors of poly(N-isopropylacrylamide) hydrogel with spironaphthoxazine and D- π -A type dye. <i>Journal of Luminescence</i> , 2012, 132, 665-670.	3.1	14
99	Gas-Induced Ion-Free Stable Radical Anion Formation of Organic Semiconducting Solids as Highly Gas-Selective Probes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35904-35913.	8.0	14
100	A New Infrared Probe Targeting Mitochondria via Regulation of Molecular Hydrophobicity. <i>Bioconjugate Chemistry</i> , 2019, 30, 210-217.	3.6	14
101	The thermoresponsive behaviour of a poly(N-isopropylacrylamide) hydrogel with a D- π -A type pyran-based fluorescent dye. <i>Dyes and Pigments</i> , 2010, 87, 84-88.	3.7	13
102	The synthesis and spectral properties of a stimuli-responsive D- π -A charge transfer dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 234-237.	3.9	13
103	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
104	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
105	Dopant-dependent thermoelectric performance of indoloindole-selenophene based conjugated polymer. <i>Chemical Engineering Journal</i> , 2022, 431, 133779.	12.7	13
106	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
107	Electrostatic layer-by-layer self-assembly of anionic squarylium and cationic polyelectrolyte. <i>Dyes and Pigments</i> , 2006, 69, 108-110.	3.7	12
108	Multi-responsive poly(N-isopropylacrylamide) hydrogel with D- π -A type dye. <i>Journal of Luminescence</i> , 2011, 131, 2004-2009.	3.1	12

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109	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
110	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
111	Doping characteristics of isoindoloindole-based conjugated polymer toward robust transformable organic conductor. <i>Organic Electronics</i> , 2019, 75, 105435.	2.6	12
112	Strain-Durable Dark Current in Near-Infrared Organic Photodetectors for Skin-Conformal Photoplethysmographic Sensors. <i>IScience</i> , 2022, 25, 104194.	4.1	12
113	Electrochromic properties of new fluorophores containing triphenylamine moiety. <i>Dyes and Pigments</i> , 2005, 64, 279-281.	3.7	11
114	Electrochromism and X-ray crystal structure of a new azomethine dye derived from diaminomaleonitrile. <i>Dyes and Pigments</i> , 2007, 72, 406-408.	3.7	11
115	High photostabilization of Zn ²⁺ chelating spironaphthoxazine. <i>Fibers and Polymers</i> , 2007, 8, 447-449.	2.1	11
116	Photochromic layer-by-layer films of spiroxazine polymer. <i>Dyes and Pigments</i> , 2007, 75, 250-252.	3.7	11
117	Proton-induced fluorescent switching of a new 2D- π -A type vinylcyanoacetate-pyran dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 677-681.	3.9	11
118	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
119	Fluorescent thermometer based on poly(N-vinylcaprolactam) with 2D- π -A type pyran-based fluorescent dye. <i>Fibers and Polymers</i> , 2011, 12, 288-290.	2.1	11
120	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
121	Modulation of a fluorescence switch of nanofiber mats containing photochromic spironaphthoxazine and D- π -A charge transfer dye. <i>Journal of Luminescence</i> , 2012, 132, 1427-1431.	3.1	11
122	Phosphorescent dye-doped hole transporting layer for organic light-emitting diodes. <i>Organic Electronics</i> , 2014, 15, 2381-2386.	2.6	11
123	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
124	Optical properties and molecular orientation of self-assembled monolayer using surface plasmon resonance spectroscopy. <i>Dyes and Pigments</i> , 2001, 48, 1-6.	3.7	10
125	Synthesis and light-emitting properties of organic electroluminescent compounds and their metal complexes. <i>Science Bulletin</i> , 2004, 49, 797-802.	1.7	10
126	Determining Brinell Hardness From Analysis of Indentation Load-Depth Curve Without Optical Measurement. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2005, 127, 154-158.	1.4	10

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127	Self-assembly multilayer of photochromic bolaform spiroxazine. <i>Dyes and Pigments</i> , 2008, 77, 70-74.	3.7	10
128	Squarylium-based chromogenic anion sensors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 25-28.	3.9	10
129	Highly sensitive sensing of volatile organic compound ethylamine. <i>Dyes and Pigments</i> , 2014, 108, 93-97.	3.7	10
130	Enhanced crystalline morphology of a ladder-type polymer bulk-heterojunction device by blade-coating. <i>Nanoscale</i> , 2015, 7, 10936-10939.	5.6	10
131	Colorimetric polarity chemosensor based on a organometal halide perovskite functional dye. <i>Dyes and Pigments</i> , 2016, 133, 73-78.	3.7	10
132	[1,2- Bi indenyliidene-3,1- trion (bindone): Colorimetric detection of volatile organic compounds(VOCs) ethylamine using highly selective Hg^{2+} chemosensor in aqueous solution. <i>Dyes and Pigments</i> , 2016, 133, 184-188.	3.7	10
133	Some properties of a new D- π -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
134	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
135	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
136	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
137	Dry formation of polymer hole injection layer for top emitting organic light emitting diodes. <i>Applied Physics Letters</i> , 2006, 89, 253515.	3.3	9
138	Colorimetric signaling of mono-, di-, and triethylamine based on intermolecular n- π charge transfer interaction. <i>Fibers and Polymers</i> , 2009, 10, 855-857.	2.1	9
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