

Sungnam Park

List of Publications by Year in descending order

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150
papers

5,321
citations

87888

38
h-index

102487

66
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156
all docs

156
docs citations

156
times ranked

5151
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency-frequency correlation functions and apodization in two-dimensional infrared vibrational echo spectroscopy: A new approach. <i>Journal of Chemical Physics</i> , 2007, 127, 124503.	3.0	367
2	Hydrogen bond dynamics in aqueous NaBr solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16731-16738.	7.1	290
3	An Emerging Molecular Design Approach to Heavy-Atom-Free Photosensitizers for Enhanced Photodynamic Therapy under Hypoxia. <i>Journal of the American Chemical Society</i> , 2019, 141, 16243-16248.	13.7	267
4	Ultrafast 2D-IR vibrational echo spectroscopy: a probe of molecular dynamics. <i>Laser Physics Letters</i> , 2007, 4, 704-718.	1.4	227
5	Molecular Design of Highly Efficient Heavy-Atom-Free Triplet BODIPY Derivatives for Photodynamic Therapy and Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8957-8962.	13.8	185
6	Water Dynamics The Effects of Ions and Nanoconfinement. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5279-5290.	2.6	174
7	Efficient Multiple Exciton Generation Observed in Colloidal PbSe Quantum Dots with Temporally and Spectrally Resolved Intraband Excitation. <i>Nano Letters</i> , 2009, 9, 1217-1222.	9.1	126
8	Water Dynamics in Salt Solutions Studied with Ultrafast Two-Dimensional Infrared (2D IR) Vibrational Echo Spectroscopy. <i>Accounts of Chemical Research</i> , 2009, 42, 1210-1219.	15.6	123
9	Ultrafast resonant optical scattering from single gold nanorods: Large nonlinearities and plasmon saturation. <i>Physical Review B</i> , 2006, 73, .	3.2	120
10	Ultrafast Dynamics of Hydrogen Bond Exchange in Aqueous Ionic Solutions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7825-7835.	2.6	119
11	Hydrazine ExposÃ©: The Next-Generation Fluorescent Probe. <i>ACS Sensors</i> , 2019, 4, 441-449.	7.8	112
12	Construction and Molecular Understanding of an Unprecedented, Reversibly Thermochromic Bisâ€Polydiacetylene. <i>Advanced Functional Materials</i> , 2014, 24, 3699-3705.	14.9	96
13	Generation of optical vector beams with a diffractive optical element interferometer. <i>Optics Letters</i> , 2005, 30, 2846.	3.3	81
14	Ultrafast Resonant Dynamics of Surface Plasmons in Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2007, 111, 116-123.	3.1	81
15	Synthesis of Monoclinic Potassium Niobate Nanowires That Are Stable at Room Temperature. <i>Journal of the American Chemical Society</i> , 2013, 135, 6-9.	13.7	74
16	Solution-processed thermally activated delayed fluorescence organic light-emitting diodes using a new polymeric emitter containing non-conjugated cyclohexane units. <i>Polymer Chemistry</i> , 2018, 9, 1318-1326.	3.9	73
17	Ultraâ€Deepâ€Blue Aggregationâ€Induced Delayed Fluorescence Emitters: Achieving Nearly 16% EQE in Solutionâ€Processed Nondoped and Doped OLEDs with CIE $\langle i \rangle \langle sub \rangle y \langle /sub \rangle \langle /i \rangle$ < 0.1. <i>Advanced Functional Materials</i> , 2021, 31, 2102588.	14.9	69
18	High-Performance Polymer Solar Cell with Single Active Material of Fully Conjugated Block Copolymer Composed of Wide-Band gap Donor and Narrow-Band gap Acceptor Blocks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18974-18983.	8.0	66

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19	High-performance bipolar host materials for blue TADF devices with excellent external quantum efficiencies. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4512-4520.	5.5	63
20	Highly Efficient Aggregation-Induced Red-Emissive Organic Thermally Activated Delayed Fluorescence Materials with Prolonged Fluorescence Lifetime for Time-Resolved Luminescence Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51293-51301.	8.0	63
21	Deep Learning Optical Spectroscopy Based on Experimental Database: Potential Applications to Molecular Design. <i>Jacs Au</i> , 2021, 1, 427-438.	7.9	61
22	Elucidating the Role of Molecule-Electrode Interfacial Defects in Charge Tunneling Characteristics of Large-Area Junctions. <i>Journal of the American Chemical Society</i> , 2018, 140, 12303-12307.	13.7	59
23	Enhanced Optical Properties and Stability of CsPbBr ₃ Nanocrystals Through Nickel Doping. <i>Advanced Functional Materials</i> , 2021, 31, 2102770.	14.9	59
24	Ligand-Assisted Direct Photolithography of Perovskite Nanocrystals Encapsulated with Multifunctional Polymer Ligands for Stable, Full-Colored, High-Resolution Displays. <i>Nano Letters</i> , 2021, 21, 2288-2295.	9.1	57
25	Chromogenic Tubular Polydiacetylenes from Topochemical Polymerization of Self-Assembled Macrocyclic Diacetylenes. <i>Macromolecules</i> , 2017, 50, 900-913.	4.8	56
26	Significantly Improved Morphology and Efficiency of Nonhalogenated Solvent-Processed Solar Cells Derived from a Conjugated Donor-Acceptor Block Copolymer. <i>Advanced Science</i> , 2020, 7, 1902470.	11.2	55
27	Unconventional Three-Armed Luminogens Exhibiting Both Aggregation-Induced Emission and Thermally Activated Delayed Fluorescence Resulting in High-Performing Solution-Processed Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14966-14977.	8.0	53
28	Ligand Exchange Dynamics in Aqueous Solution Studied with 2DIR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6693-6702.	2.6	51
29	Infrared Probes Based on Nitrile-Derivatized Prolines: Thermal Insulation Effect and Enhanced Dynamic Range. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2105-2110.	4.6	51
30	Dynamics around solutes and solute solvent complexes in mixed solvents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14221-14226.	7.1	49
31	Donor engineered Deep-Blue emitters for tuning luminescence mechanism in Solution-Processed OLEDs. <i>Chemical Engineering Journal</i> , 2021, 416, 129185.	12.7	49
32	Switchable stimulated Raman scattering microscopy with photochromic vibrational probes. <i>Nature Communications</i> , 2021, 12, 3089.	12.8	48
33	Facile one-pot polymerization of a fully conjugated donor-acceptor block copolymer and its application in efficient single component polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21280-21289.	10.3	45
34	Ion-pairing dynamics of Li ⁺ and SCN ⁻ in dimethylformamide solution: Chemical exchange two-dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2011, 134, 064506.	3.0	43
35	A thiocoumarin-based turn-on fluorescent probe for hypochlorite detection and its application to live-cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2020, 317, 128213.	7.8	41
36	Real-Time Probing of Ion Pairing Dynamics with 2DIR Spectroscopy. <i>ChemPhysChem</i> , 2010, 11, 3632-3637.	2.1	39

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37	Effects of Backbone Planarity and Tightly Packed Alkyl Chains in the Donor–Acceptor Polymers for High Photostability. <i>Macromolecules</i> , 2016, 49, 7844-7856.	4.8	39
38	Experimental database of optical properties of organic compounds. <i>Scientific Data</i> , 2020, 7, 295.	5.3	39
39	Solvent intermolecular polarizability response in solvation. <i>Journal of Chemical Physics</i> , 2003, 118, 3917-3920.	3.0	38
40	H-bond switching and ligand exchange dynamics in aqueous ionic solution. <i>Chemical Physics Letters</i> , 2011, 504, 1-6.	2.6	38
41	Direct Photolithographic Patterning of Colloidal Quantum Dots Enabled by UV-Crosslinkable and Hole-Transporting Polymer Ligands. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42153-42160.	8.0	38
42	Chemically resistant and thermally stable quantum dots prepared by shell encapsulation with cross-linkable block copolymer ligands. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	36
43	Novel dendritic large molecules as solution-processable thermally activated delayed fluorescent emitters for simple structured non-doped organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1160-1170.	5.5	34
44	Covalently Linked Perylene Diimide–Polydiacetylene Nanofibers Display Enhanced Stability and Photocurrent with Reversible FRET Phenomenon. <i>Small</i> , 2019, 15, e1901342.	10.0	34
45	Penta-fluorophenol: a Smiles rearrangement-inspired cysteine-selective fluorescent probe for imaging of human glioblastoma. <i>Chemical Science</i> , 2020, 11, 5658-5668.	7.4	34
46	Crystallinity-Controlled Naphthalene- <i>alt</i> -diketopyrrolopyrrole Copolymers for High-Performance Ambipolar Field Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26204-26213.	3.1	32
47	Rotational dynamics of thiocyanate ions in highly concentrated aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6233.	2.8	30
48	Dynamics of Ion Assembly in Solution: 2DIR Spectroscopy Study of LiNCS in Benzonitrile. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1771-1775.	4.6	29
49	Thin film fabrication of upconversion lanthanide-doped NaYF ₄ by a sol-gel method and soft lithographical nanopatterning. <i>Journal of Alloys and Compounds</i> , 2017, 728, 927-935.	5.5	29
50	Spectrophotometric measurement of the first dissociation constants of carbonic acid at elevated temperatures. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 1421-1425.	1.7	28
51	Rational Molecular Design of Azaacene-Based Narrowband Green-Emitting Fluorophores: Modulation of Spectral Bandwidth and Vibronic Transitions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26227-26236.	8.0	27
52	Aryl-Annulated [3,2- <i>a</i>] Carbazole-Based Deep-Blue Soluble Emitters for High-Efficiency Solution-Processed Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes with CIE <i>y</i> ≤ 0.1. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61454-61462.	8.0	27
53	Ultrafast Dynamics of Polarons in Conductive Polyaniline: Comparison of Primary and Secondary Doped Forms. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15576-15587.	2.6	26
54	Achievement of high efficiency with extremely low efficiency roll-off in solution-processed thermally activated delayed fluorescence OLEDs manufactured using xanthone-based bipolar host materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6780-6787.	5.5	26

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55	Correlation between Crystallinity, Charge Transport, and Electrical Stability in an Ambipolar Polymer Field-Effect Transistor Based on Poly(naphthalene- <i>i></i> -diketopyrrolopyrrole). <i>Journal of Physical Chemistry C</i> , 2013, 117, 11479-11486.	3.1	25
56	Origin of strong red emission in Er ³⁺ -based upconversion materials: role of intermediate states and cross relaxation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24026-24033.	2.8	25
57	2-(Benzothiazol-2-yl)pyren-1-ol, a new excited state intramolecular proton transfer-based fluorescent sensor for nitroaromatic compounds. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 298-305.	7.8	25
58	Spectroscopic measurement of the acid dissociation constant of 2-naphthol and the second dissociation constant of carbonic acid at elevated temperatures. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 1893-1898.	2.8	24
59	Photoinduced reversible phase transition of azobenzene-containing polydiacetylene crystals. <i>Chemical Communications</i> , 2016, 52, 14059-14062.	4.1	24
60	Topochemical polymerization of macrocyclic diacetylene with a naphthalene moiety for a tubular-shaped polydiacetylene chromophore. <i>Dyes and Pigments</i> , 2018, 154, 199-204.	3.7	24
61	A Schiff Base Fluorescence Enhancement Probe for Fe(III) and Its Sensing Applications in Cancer Cells. <i>Sensors</i> , 2019, 19, 2500.	3.8	24
62	Access to the Triplet Excited States of Heavy-Atom-Free Boron-Dipyrromethene Photosensitizers via Radical Pair Intersystem Crossing for Image-Guided Tumor-Targeted Photodynamic Therapy. <i>Chemistry of Materials</i> , 2021, 33, 7889-7896.	6.7	24
63	Rotational Dynamics of Metal Azide Ion Pairs in Dimethylsulfoxide Solutions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2748-2756.	2.6	23
64	A new phosphorescent chemosensor bearing Zn-DPA sites for H ₂ PO ₄ ²⁻ . <i>Dyes and Pigments</i> , 2014, 106, 20-24.	3.7	23
65	Molecular Design of Highly Efficient Heavy-Atom-Free Triplet BODIPY Derivatives for Photodynamic Therapy and Bioimaging. <i>Angewandte Chemie</i> , 2020, 132, 9042-9047.	2.0	23
66	Polarizability response spectroscopy: Formalism and simulation of ultrafast dynamics in solvation. <i>Chemical Physics</i> , 2007, 341, 344-356.	1.9	21
67	Ultrafast internal rotational dynamics of the azido group in (4S)-azidoproline: Chemical exchange 2DIR spectroscopic investigations. <i>Chemical Physics</i> , 2012, 396, 23-29.	1.9	21
68	New iridium complexes with two pre-organized urea groups and thiourea groups as phosphorescent chemosensors for and chiral carboxylates. <i>Dyes and Pigments</i> , 2014, 100, 241-246.	3.7	21
69	High-Performance, Solution-Processable Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes Realized via the Adjustment of the Composition of the Organoboron Acceptor Monomer in Copolymer Host Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35300-35310.	8.0	21
70	Rational Design of Carbazole- and Carboline-Based Polymeric Host Materials for Realizing High-Efficiency Solution-Processed Thermally Activated Delayed Fluorescence Organic Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8485-8494.	8.0	21
71	Novel V-Shaped Bipolar Host Materials for Solution-Processed Thermally Activated Delayed Fluorescence OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49076-49084.	8.0	21
72	hERG channel blockade by externally applied quaternary ammonium derivatives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1560-1566.	2.6	20

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73	Infrared Probing of 4-Azidoproline Conformations Modulated by Azido Configurations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5097-5110.	2.6	20
74	Ultrafast intermolecular vibrational excitation transfer from solute to solvent: Observation of intermediate states. <i>Chemical Physics</i> , 2013, 422, 37-46.	1.9	20
75	Effect of ion-molecule interaction on fermi-resonance in acetonitrile studied by ultrafast vibrational spectroscopy. <i>Chemical Physics</i> , 2014, 445, 38-45.	1.9	20
76	Origin of the Reversible Thermochromic Properties of Polydiacetylenes Revealed by Ultrafast Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 259-265.	4.6	20
77	Macrocyclic Diacetylene-Terthiophene Cocrystal: Molecular Self-Assembly, Topochemical Polymerization, and Energy Transfer. <i>Crystal Growth and Design</i> , 2020, 20, 434-441.	3.0	20
78	Two-dimensional measurements of the solvent structural relaxation dynamics in dipolar solvation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8116.	2.8	19
79	Solvent structural relaxation dynamics in dipolar solvation studied by resonant pump polarizability response spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 214-223.	2.8	18
80	Iridium complex bearing urea groups as a phosphorescent chemosensor for chiral anion recognition. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 224-229.	7.8	18
81	An excellent bipolar host material exhibiting EQE of 24.0% with small efficiency roll-off in solution-processable thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13930-13938.	5.5	18
82	Infrared Probing of Equilibrium and Dynamics of Metal-Selenocyanate Ion Pairs in N,N-Dimethylformamide Solutions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9152-9159.	2.6	17
83	Fluorescent Labeling of Protein Using Blue-Emitting 8-Amino-BODIPY Derivatives. <i>Journal of Fluorescence</i> , 2017, 27, 2231-2238.	2.5	17
84	A bright blue fluorescent dextran for two-photon in vivo imaging of blood vessels. <i>Bioorganic Chemistry</i> , 2019, 89, 103019.	4.1	17
85	A Simple Route toward Next-Generation Thiobase-Based Photosensitizers for Cancer Theranostics. <i>ACS Sensors</i> , 2021, 6, 3462-3467.	7.8	17
86	Ultrafast Vibrational Population Transfer Dynamics in 2-Acetylcyclopentanone Studied by 2D IR Spectroscopy. <i>ChemPhysChem</i> , 2011, 12, 799-805.	2.1	16
87	Discriminative Molecular Detection Based on Competitive Absorption by a Luminescent Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40372-40377.	8.0	16
88	Chromenopyrazole-based bipolar host materials for solution-processable thermally activated delayed fluorescence OLEDs exhibiting high efficiency and low roll-off. <i>Chemical Communications</i> , 2019, 55, 12952-12955.	4.1	16
89	Coherent Electronic and Nuclear Dynamics for Charge Transfer in 1-Ethyl-4-(carbomethoxy)pyridinium Iodide. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19771-19783.	2.6	15
90	Artificial Photocatalytic System Using Polydiacetylene-(λ -NH-phen)Ru(bpy) ₂ for Cofactor Regeneration and CO ₂ Reduction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28407-28414.	3.1	15

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91	Pyrimidine-based bipolar host materials for high efficiency solution processed green thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2196-2204.	5.5	15
92	Light-directed trapping of metastable intermediates in a self-assembly process. <i>Nature Communications</i> , 2020, 11, 6260.	12.8	15
93	Universal polymeric bipolar hosts for highly efficient solution-processable blue and green thermally activated delayed fluorescence OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16048-16056.	5.5	14
94	Green-, Red-, and Near-Infrared-Emitting Polymer Dot Probes for Simultaneous Multicolor Cell Imaging with a Single Excitation Wavelength. <i>Chemistry of Materials</i> , 2020, 32, 6685-6696.	6.7	14
95	Polarization-Angle-Scanning 2DIR Spectroscopy of Coupled Anharmonic Oscillators: A Polarization Null Angle Method. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5456-5464.	2.6	13
96	Real-Time Probing of Hydrogen-Bond Exchange Dynamics in Aqueous NaPF ₆ Solutions by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13604-13613.	2.6	13
97	Electronic relaxation dynamics of PCDA-PDA studied by transient absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23096-23104.	2.8	13
98	Temperature-dependent dynamics of water in aqueous NaPF ₆ solution. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21747-21754.	2.8	12
99	A naphthoimidazolium-cholesterol derivative as a ratiometric fluorescence based chemosensor for the chiral recognition of carboxylates. <i>Chemical Communications</i> , 2018, 54, 13264-13267.	4.1	12
100	High Stability of a Donor-Acceptor Type Oxazepine-Containing Fluorophore and Its Applications in Cellular Imaging and Two-Photon Deep Tissue Imaging. <i>Organic Letters</i> , 2019, 21, 3891-3894.	4.6	12
101	Synthesis, Structure, and Photoluminescence Properties of a Metal-Organic Framework with Hexagonal Channels: Selective Turn-On Sensing for Mg ²⁺ Ion. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 330-335.	2.0	12
102	A wavelength-tunable and facilely functionable D-A type naphthalene core skeleton: Synthesis, photophysical property, and bio-imaging applications for cells and tissues. <i>Dyes and Pigments</i> , 2019, 162, 104-111.	3.7	12
103	Pyrazine-based hollow spherical self-assemblies: A portable tool for detection of volatile organic amines. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130110.	7.8	12
104	Ultrafast Dephasing of Photoexcited Polarons in Primary Doped Polyaniline. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12866-12873.	2.6	11
105	Effect of NaCl Salts on the Activation Energy of Excited-State Proton Transfer Reaction of Coumarin 183. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15509-15515.	2.6	11
106	Ionic effects on the proton transfer mechanism in aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25509-25517.	2.8	11
107	Solution-processed white organic light-emitting diodes with blue fluorescent and orange-red thermally activated delayed fluorescent dendritic luminogens. <i>Dyes and Pigments</i> , 2019, 170, 107650.	3.7	11
108	High-efficiency solution-processed green thermally activated delayed fluorescence OLEDs using a polymer-small molecule mixed host. <i>Polymer Chemistry</i> , 2022, 13, 1824-1830.	3.9	11

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109	Pyridine-NBD: A homocysteine-selective fluorescent probe for glioblastoma (GBM) diagnosis based on a blood test. <i>Analytica Chimica Acta</i> , 2022, 1202, 339678.	5.4	11
110	Effect of asymmetric solubility of diketopyrrolopyrrole-based polymers and PC71BMs in a binary solvent system on the performance of bulk heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 124, 232-240.	6.2	10
111	Structural isomers of 9-(pyridin-2-yl)-9H-carbazole in combination with 9- <i>H</i> -9,3':6- <i>H</i> ² ,9- <i>H</i> ³ -tercarbazole and their application to high efficiency solution processed green TADF OLEDs. <i>Dyes and Pigments</i> , 2020, 179, 108403.	3.7	10
112	Complexation dynamics of CH ₃ SCN and Li ⁺ in acetonitrile studied by two-dimensional infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24193-24200.	2.8	9
113	Blue Emission of In-GaN Colloidal Quantum Dots via Zn Doping. <i>Chemistry of Materials</i> , 2019, 31, 5370-5375.	6.7	9
114	5H-Benzo[d]Benzo[4,5]Imidazo[2,1-b][1,3]Thiazine as a Novel Electron-Acceptor Cored High Triplet Energy Bipolar Host Material for Efficient Solution-Processable Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 61.	3.6	9
115	Deep learning for development of organic optoelectronic devices: efficient prescreening of hosts and emitters in deep-blue fluorescent OLEDs. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	9
116	Rational design of a novel isoindigo-based conjugated terpolymer with panchromatic absorption and its application to polymer solar cells. <i>Dyes and Pigments</i> , 2020, 179, 108391.	3.7	8
117	Fullerene-Based Triads with Controlled Alkyl Spacer Length as Photoactive Materials for Single-Component Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43174-43185.	8.0	8
118	Improved Photovoltaic Performance of Ternary All-Polymer Solar Cells by Incorporating a New Y6-based Polymer Acceptor and PC61BM. <i>Macromolecular Research</i> , 2022, 30, 587-596.	2.4	8
119	Development of a fluorescent nanoprobe based on an amphiphilic single-benzene-based fluorophore for lipid droplet detection and its practical applications. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5423-5433.	2.8	8
120	Acid-base equilibrium dynamics in methanol and dimethyl sulfoxide probed by two-dimensional infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17557-17561.	2.8	7
121	Effect of ion-ligand binding on ion pairing dynamics studied by two-dimensional infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10889-10897.	2.8	7
122	Cationic Effect on the Equilibria and Kinetics of the Excited-State Proton Transfer Reaction of a Photoacid in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5087-5093.	2.6	7
123	Structure-property relationship of metastable monoclinic potassium niobate (KNbO ₃) nanowires during phase transitions. <i>Journal of Alloys and Compounds</i> , 2017, 709, 415-421.	5.5	6
124	Visualizing mitochondria and mouse intestine with a fluorescent complex of a naphthalene-based dipolar dye and serum albumin. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7642-7651.	5.8	6
125	Vibrational probing of the hydrogen-bond structure and dynamics of water in aqueous NaPF ₆ solutions. <i>New Journal of Chemistry</i> , 2015, 39, 3520-3527.	2.8	5
126	Singlet Fission Dynamics of Colloidal Nanoparticles of a Perylenediimide Derivative in Solutions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7967-7974.	2.6	5

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127	Photo-Ferrous Nanoparticles Based on Fe(II)-Coordination-Driven Cyanine-Based Amino Acid Assembly for Photodynamic Ferrotherapy. ACS Applied Nano Materials, 2021, 4, 5954-5962.	5.0	5
128	Selective Recognition of Fluoride by using a Benzobisimidazolium Derivative through Aggregation-Induced Fluorescence. ChemistryOpen, 2017, 6, 476-479.	1.9	5
129	Fluorescent Organic Glass with Unique Optical and Mechanical Properties. Advanced Functional Materials, 2018, 28, 1801394.	14.9	4
130	Exciton energy transfer and bi-exciton annihilation in the emitting layers of thermally activated delayed fluorescence-based OLEDs. Journal of Materials Chemistry C, 2021, 9, 15141-15149.	5.5	4
131	Donor-Acceptor Dyad-Based Polymers for Portable Sensors: Controlling Photoinduced Electron Transfer via Tuning the Frontier Molecular Orbital Energies of Acceptors. Macromolecules, 0, .	4.8	4
132	Photocatalytic detoxification of a sulfur mustard simulant under realistic conditions by imidazoline-based porous organic polymer composites. Cell Reports Physical Science, 2022, 3, 100888.	5.6	4
133	Sceptrin-Au nano-aggregates (SANA) for overcoming drug-resistant Gram-negative bacteria. Nanoscale Horizons, 2022, 7, 873-882.	8.0	4
134	Effect of Hydrogen Bonds on the Vibrational Relaxation and Orientational Relaxation Dynamics of HN ₃ and N ₃ ⁺ in Solutions. Journal of Physical Chemistry B, 2016, 120, 9723-9731.	2.6	3
135	Thermochromic Sensors: Construction and Molecular Understanding of an Unprecedented, Reversibly Thermochromic Bis-Polydiacetylene (Adv. Funct. Mater. 24/2014). Advanced Functional Materials, 2014, 24, 3836-3836.	14.9	2
136	Visualization of UV by Nanopatterned Downshifting Materials Mimicking Human Retinal Cone Cells. Advanced Functional Materials, 2020, 30, 1905131.	14.9	2
137	Dynamics of Photoinduced Energy Transfer in Fully and Partially Conjugated Polymers Bearing Extended Donor and Acceptor Monomers. Frontiers in Chemistry, 2020, 8, 605403.	3.6	2
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