

# Sungnam Park

## List of Publications by Year in descending order

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150  
papers

5,321  
citations

87723

38  
h-index

102304

66  
g-index

156  
all docs

156  
docs citations

156  
times ranked

5151  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.9	11
2	Pyridine-NBD: A homocysteine-selective fluorescent probe for glioblastoma (GBM) diagnosis based on a blood test. <i>Analytica Chimica Acta</i> , 2022, 1202, 339678.	2.6	11
3	Beyond Woodward's Fieser Rules: Design Principles of Property-Oriented Chromophores Based on Explainable Deep Learning Optical Spectroscopy. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2933-2942.	2.5	0
4	Photocatalytic detoxification of a sulfur mustard simulant under realistic conditions by imidazoline-based porous organic polymer composites. <i>Cell Reports Physical Science</i> , 2022, 3, 100888.	2.8	4
5	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.	1.0	8
6	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.	1.5	8
7	Scepterin's Au nano-aggregates (SANA) for overcoming drug-resistant Gram-negative bacteria. <i>Nanoscale Horizons</i> , 2022, 7, 873-882.	4.1	4
8	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, .	3.5	9
9	Deep Learning Optical Spectroscopy Based on Experimental Database: Potential Applications to Molecular Design. <i>Jacs Au</i> , 2021, 1, 427-438.	3.6	61
10	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.	4.5	57
11	Rational Molecular Design of Azaacene-Based Narrowband Green-Emitting Fluorophores: Modulation of Spectral Bandwidth and Vibronic Transitions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26227-26236.	4.0	27
12	Enhanced Optical Properties and Stability of CsPbBr <sub>3</sub> Nanocrystals Through Nickel Doping. <i>Advanced Functional Materials</i> , 2021, 31, 2102770.	7.8	59
13	Switchable stimulated Raman scattering microscopy with photochromic vibrational probes. <i>Nature Communications</i> , 2021, 12, 3089.	5.8	48
14	Singlet Fission Dynamics of Colloidal Nanoparticles of a Perylenediimide Derivative in Solutions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7967-7974.	1.2	5
15	Photo-Ferrous Nanoparticles Based on Fe(II)-Coordination-Driven Cyanine-Based Amino Acid Assembly for Photodynamic Ferrotherapy. <i>ACS Applied Nano Materials</i> , 2021, 4, 5954-5962.	2.4	5
16	Ultra-Deep-Blue Aggregation-Induced Delayed Fluorescence Emitters: Achieving Nearly 16% EQE in Solution-Processed Nondoped and Doped OLEDs with CIE <sub>y</sub> < i> <sub>y</sub> < /i> < /i> < /i> < /i> < /i> < /i> 0.1. <i>Advanced Functional Materials</i> , 2021, 31, 2102588.	7.8	69
17	Donor engineered Deep-Blue emitters for tuning luminescence mechanism in Solution-Processed OLEDs. <i>Chemical Engineering Journal</i> , 2021, 416, 129185.	6.6	49
18	Fullerene-Based Triads with Controlled Alkyl Spacer Length as Photoactive Materials for Single-Component Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 43174-43185.	4.0	8

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19	A Simple Route toward Next-Generation Thiobase-Based Photosensitizers for Cancer Theranostics. <i>ACS Sensors</i> , 2021, 6, 3462-3467.	4.0	17
20	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.	3.2	24
21	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.	4.0	12
22	Exciton energy transfer and bi-exciton annihilation in the emitting layers of thermally activated delayed fluorescence-based OLEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15141-15149.	2.7	4
23	Novel V-Shaped Bipolar Host Materials for Solution-Processed Thermally Activated Delayed Fluorescence OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49076-49084.	4.0	21
24	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 $y < 0.1$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 61454-61462.	4.0	27
25	Visualization of UV by Nanopatterned Downshifting Materials Mimicking Human Retinal Cone Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1905131.	7.8	2
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.	5.6	55
27	A new visible light triggered Arrhenius photobase and its photo-induced reactions. <i>New Journal of Chemistry</i> , 2020, 44, 668-673.	1.4	0
28	Macrocyclic Diacetylene-Terthiophene Cocrystal: Molecular Self-Assembly, Topochemical Polymerization, and Energy Transfer. <i>Crystal Growth and Design</i> , 2020, 20, 434-441.	1.4	20
29	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.	2.7	15
30	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.	2.7	14
31	Structure, photoluminescence, and magnetic properties of a Mn(ii)-based metal-organic framework. <i>New Journal of Chemistry</i> , 2020, 44, 18694-18702.	1.4	1
32	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 &amp; Interfaces</i> , 2020, 12, 35300-35310.	4.0	21
33	Dynamics of Photoinduced Energy Transfer in Fully and Partially Conjugated Polymers Bearing $\pi$ -Extended Donor and Acceptor Monomers. <i>Frontiers in Chemistry</i> , 2020, 8, 605403.	1.8	2
34	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.	2.9	6
35	Experimental database of optical properties of organic compounds. <i>Scientific Data</i> , 2020, 7, 295.	2.4	39
36	Direct Photolithographic Patterning of Colloidal Quantum Dots Enabled by UV-Crosslinkable and Hole-Transporting Polymer Ligands. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42153-42160.	4.0	38

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37	Light-directed trapping of metastable intermediates in a self-assembly process. <i>Nature Communications</i> , 2020, 11, 6260.	5.8	15
38	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 &amp; Interfaces</i> , 2020, 12, 51293-51301.	4.0	63
39	Penta-fluorophenol: a Smiles rearrangement-inspired cysteine-selective fluorescent probe for imaging of human glioblastoma. <i>Chemical Science</i> , 2020, 11, 5658-5668.	3.7	34
40	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.	4.0	41
41	Molecular Design of Highly Efficient Heavy-Atom-Free Triplet BODIPY Derivatives for Photodynamic Therapy and Bioimaging. <i>Angewandte Chemie</i> , 2020, 132, 9042-9047.	1.6	23
42	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.	3.2	14
43	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.	1.8	9
44	UV Visualization: Visualization of UV by Nanopatterned Down-Shifting Materials Mimicking Human Retinal Cone Cells ( <i>Adv. Funct. Mater.</i> 1/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070006.	7.8	0
45	Chemically resistant and thermally stable quantum dots prepared by shell encapsulation with cross-linkable block copolymer ligands. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	36
46	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.	7.2	185
47	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 &amp; Interfaces</i> , 2020, 12, 8485-8494.	4.0	21
48	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.	2.0	8
49	Articulated Structures of D-A Type Dipolar Dye with AlEgen: Synthesis, Photophysical Properties, and Applications. <i>Materials</i> , 2020, 13, 1939.	1.3	2
50	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.	2.7	26
51	Structural isomers of 9-(pyridin-2-yl)-9H-carbazole in combination with 9H-9,3':6'' <sup>2</sup> ,9'' <sup>3</sup> -tercarbazole and their application to high efficiency solution processed green TADF OLEDs. <i>Dyes and Pigments</i> , 2020, 179, 108403.	2.0	10
52	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.	5.2	45
53	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.	6.6	267
54	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.	2.0	11

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55	A Schiff Base Fluorescence Enhancement Probe for Fe(III) and Its Sensing Applications in Cancer Cells. <i>Sensors</i> , 2019, 19, 2500.	2.1	24
56	A bright blue fluorescent dextran for two-photon in vivo imaging of blood vessels. <i>Bioorganic Chemistry</i> , 2019, 89, 103019.	2.0	17
57	Blue Emission of $\text{In}^{\pm}$ -GaN Colloidal Quantum Dots via Zn Doping. <i>Chemistry of Materials</i> , 2019, 31, 5370-5375.	3.2	9
58	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.	2.4	12
59	Covalently Linked Perylene Diimide-Polydiacetylene Nanofibers Display Enhanced Stability and Photocurrent with Reversible FRET Phenomenon. <i>Small</i> , 2019, 15, e1901342.	5.2	34
60	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.	2.2	16
61	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.	2.7	18
62	Origin of strong red emission in $\text{Er}^{3+}$ -based upconversion materials: role of intermediate states and cross relaxation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24026-24033.	1.3	25
63	Hydrazine Exposure: The Next-Generation Fluorescent Probe. <i>ACS Sensors</i> , 2019, 4, 441-449.	4.0	112
64	Synthesis, Structure, and Photoluminescence Properties of a Metal-Organic Framework with Hexagonal Channels: Selective Turn-On Sensing for $\text{Mg}^{2+}$ Ion. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 330-335.	1.0	12
65	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.	4.0	25
66	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.	2.0	12
67	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.	1.9	73
68	Topochemical polymerization of macrocyclic diacetylene with a naphthalene moiety for a tubular-shaped polydiacetylene chromophore. <i>Dyes and Pigments</i> , 2018, 154, 199-204.	2.0	24
69	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.	1.2	7
70	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 &amp; Interfaces</i> , 2018, 10, 14966-14977.	4.0	53
71	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.	2.7	34
72	A naphthoimidazolium-cholesterol derivative as a ratiometric fluorescence based chemosensor for the chiral recognition of carboxylates. <i>Chemical Communications</i> , 2018, 54, 13264-13267.	2.2	12

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73	Discriminative Molecular Detection Based on Competitive Absorption by a Luminescent Metal-Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40372-40377.	4.0	16
74	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.	6.6	59
75	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 &amp; Interfaces</i> , 2018, 10, 18974-18983.	4.0	66
76	Fluorescent Organic Glass with Unique Optical and Mechanical Properties. <i>Advanced Functional Materials</i> , 2018, 28, 1801394.	7.8	4
77	Chromogenic Tubular Polydiacetylenes from Topochemical Polymerization of Self-Assembled Macrocyclic Diacetylenes. <i>Macromolecules</i> , 2017, 50, 900-913.	2.2	56
78	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.	1.3	7
79	Structure-property relationship of metastable monoclinic potassium niobate (KNbO <sub>3</sub> ) nanowires during phase transitions. <i>Journal of Alloys and Compounds</i> , 2017, 709, 415-421.	2.8	6
80	Fluorescent Labeling of Protein Using Blue-Emitting 8-Amino-BODIPY Derivatives. <i>Journal of Fluorescence</i> , 2017, 27, 2231-2238.	1.3	17
81	Thin film fabrication of upconversion lanthanide-doped NaYF <sub>4</sub> by a sol-gel method and soft lithographical nanopatterning. <i>Journal of Alloys and Compounds</i> , 2017, 728, 927-935.	2.8	29
82	Iridium complex bearing urea groups as a phosphorescent chemosensor for chiral anion recognition. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 224-229.	4.0	18
83	Ionic effects on the proton transfer mechanism in aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25509-25517.	1.3	11
84	Selective Recognition of Fluoride by using a Benzobisimidazolium Derivative through Aggregation-Induced Fluorescence. <i>ChemistryOpen</i> , 2017, 6, 476-479.	0.9	5
85	Artificial Photocatalytic System Using Polydiacetylene-( $\pi$ -NH-phen)Ru(bpy) <sub>2</sub> for Cofactor Regeneration and CO <sub>2</sub> Reduction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28407-28414.	1.5	15
86	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.	2.7	63
87	Effects of Backbone Planarity and Tightly Packed Alkyl Chains in the Donor-Acceptor Polymers for High Photostability. <i>Macromolecules</i> , 2016, 49, 7844-7856.	2.2	39
88	Electronic relaxation dynamics of PCDA-PDA studied by transient absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23096-23104.	1.3	13
89	Effect of Hydrogen Bonds on the Vibrational Relaxation and Orientational Relaxation Dynamics of HN <sub>3</sub> and N <sub>3</sub> <sup>+</sup> in Solutions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9723-9731.	1.2	3
90	Photoinduced reversible phase transition of azobenzene-containing polydiacetylene crystals. <i>Chemical Communications</i> , 2016, 52, 14059-14062.	2.2	24

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91	Origin of the Reversible Thermo-chromic Properties of Polydiacetylenes Revealed by Ultrafast Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 259-265.	2.1	20
92	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.	1.2	11
93	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.	1.3	7
94	Vibrational probing of the hydrogen-bond structure and dynamics of water in aqueous NaPF <sub>6</sub> solutions. <i>New Journal of Chemistry</i> , 2015, 39, 3520-3527.	1.4	5
95	Complexation dynamics of CH <sub>3</sub> SCN and Li <sup>+</sup> in acetonitrile studied by two-dimensional infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24193-24200.	1.3	9
96	Synthesis and Photovoltaic Properties of a Low Band Gap Polymer for Organic Solar Cell. <i>Porrime</i> , 2015, 39, 71-77.	0.0	0
97	Construction and Molecular Understanding of an Unprecedented, Reversibly Thermo-chromic Bis-Polydiacetylene. <i>Advanced Functional Materials</i> , 2014, 24, 3699-3705.	7.8	96
98	Thermo-chromic Sensors: Construction and Molecular Understanding of an Unprecedented, Reversibly Thermo-chromic Bis-Polydiacetylene ( <i>Adv. Funct. Mater.</i> 24/2014). <i>Advanced Functional Materials</i> , 2014, 24, 3836-3836.	7.8	2
99	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.	2.0	21
100	Effect of ion-molecule interaction on fermi-resonance in acetonitrile studied by ultrafast vibrational spectroscopy. <i>Chemical Physics</i> , 2014, 445, 38-45.	0.9	20
101	Temperature-dependent dynamics of water in aqueous NaPF <sub>6</sub> solution. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21747-21754.	1.3	12
102	A new phosphorescent chemosensor bearing Zn-DPA sites for H <sub>2</sub> PO <sub>4</sub> <sup>2-</sup> . <i>Dyes and Pigments</i> , 2014, 106, 20-24.	2.0	23
103	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.	3.0	10
104	Correlation between Crystallinity, Charge Transport, and Electrical Stability in an Ambipolar Polymer Field-Effect Transistor Based on Poly(naphthalene-diketopyrrolopyrrole). <i>Journal of Physical Chemistry C</i> , 2013, 117, 11479-11486.	1.5	25
105	Real-Time Probing of Hydrogen-Bond Exchange Dynamics in Aqueous NaPF <sub>6</sub> Solutions by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13604-13613.	1.2	13
106	Rotational Dynamics of Metal Azide Ion Pairs in Dimethylsulfoxide Solutions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2748-2756.	1.2	23
107	Synthesis of Monoclinic Potassium Niobate Nanowires That Are Stable at Room Temperature. <i>Journal of the American Chemical Society</i> , 2013, 135, 6-9.	6.6	74
108	Ultrafast intermolecular vibrational excitation transfer from solute to solvent: Observation of intermediate states. <i>Chemical Physics</i> , 2013, 422, 37-46.	0.9	20

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109	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.	2.1	51
110	Two-dimensional measurements of the solvent structural relaxation dynamics in dipolar solvation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8116.	1.3	19
111	Rotational dynamics of thiocyanate ions in highly concentrated aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6233.	1.3	30
112	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.	1.5	32
113	Infrared Probing of 4-Azidoproline Conformations Modulated by Azido Configurations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5097-5110.	1.2	20
114	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.	1.2	17
115	Ultrafast internal rotational dynamics of the azido group in (4S)-azidoproline: Chemical exchange 2DIR spectroscopic investigations. <i>Chemical Physics</i> , 2012, 396, 23-29.	0.9	21
116	Solvent structural relaxation dynamics in dipolar solvation studied by resonant pump polarizability response spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 214-223.	1.3	18
117	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.	1.2	13
118	hERG channel blockade by externally applied quaternary ammonium derivatives. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1560-1566.	1.4	20
119	Ultrafast Vibrational Population Transfer Dynamics in 2-Acetylcyclopentanone Studied by 2D IR Spectroscopy. <i>ChemPhysChem</i> , 2011, 12, 799-805.	1.0	16
120	H-bond switching and ligand exchange dynamics in aqueous ionic solution. <i>Chemical Physics Letters</i> , 2011, 504, 1-6.	1.2	38
121	Ion-pairing dynamics of Li <sup>+</sup> and SCN <sup>-</sup> in dimethylformamide solution: Chemical exchange two-dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2011, 134, 064506.	1.2	43
122	Real-Time Probing of Ion Pairing Dynamics with 2DIR Spectroscopy. <i>ChemPhysChem</i> , 2010, 11, 3632-3637.	1.0	39
123	Dynamics of Ion Assembly in Solution: 2DIR Spectroscopy Study of LiNCS in Benzonitrile. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1771-1775.	2.1	29
124	Ligand Exchange Dynamics in Aqueous Solution Studied with 2DIR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6693-6702.	1.2	51
125	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.	7.6	123
126	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.	4.5	126



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127	Ultrafast Dynamics of Hydrogen Bond Exchange in Aqueous Ionic Solutions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7825-7835.	1.2	119
128	Ultrafast Dynamics of Hydrogen Bond Exchange in Aqueous Ionic Solutions. , 2009, , .		0
129	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.	1.2	26
130	Water DynamicsThe Effects of Ions and Nanoconfinement. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5279-5290.	1.2	174
131	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.	3.3	290
132	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.	3.3	49
133	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.	1.2	367
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