Soo Young Park

List of Publications by Citations

301 papers	18,910 citations	67 h-index	131 g-index
314 ext. papers	20,620 ext. citations	8.4 avg, IF	7.08 L-index

#	Paper	IF	Citations
301	Enhanced emission and its switching in fluorescent organic nanoparticles. *Journal of the American Chemical Society*, **2002**, 124, 14410-5	16.4	1656
300	Advanced organic optoelectronic materials: harnessing excited-state intramolecular proton transfer (ESIPT) process. *Advanced Materials*, **2011**, 23, 3615-42	24	810
299	Multistimuli two-color luminescence switching via different slip-stacking of highly fluorescent molecular sheets. *Journal of the American Chemical Society*, **2010**, 132, 13675-83	16.4	785
298	Conjugated cyanostilbene derivatives: a unique self-assembly motif for molecular nanostructures with enhanced emission and transport. *Accounts of Chemical Research*, **2012**, 45, 544-54	24.3	563
297	Phosphorescent iridium(III) complexes: toward high phosphorescence quantum efficiency through ligand control. *Dalton Transactions*, **2009**, 1267-82	4.3	561
296	Strongly fluorescent organogel system comprising fibrillar self-assembly of a trifluoromethyl-based cyanostilbene derivative. *Journal of the American Chemical Society*, **2004**, 126, 10232-3	16.4	540
295	A white-light-emitting molecule: frustrated energy transfer between constituent emitting centers. *Journal of the American Chemical Society*, **2009**, 131, 14043-9	16.4	479
294	Photoswitchable organic nanoparticles and a polymer film employing multifunctional molecules with enhanced fluorescence emission and bistable photochromism. *Angewandte Chemie - International Edition*, **2004**, 43, 6346-50	16.4	445
293	Inter-ligand energy transfer and related emission change in the cyclometalated heteroleptic iridium complex: facile and efficient color tuning over the whole visible range by the ancillary ligand structure. *Journal of the American Chemical Society*, **2005**, 127, 12438-9	16.4	419
292	Luminescent distyrylbenzenes: tailoring molecular structure and crystalline morphology. *Journal of Materials Chemistry C*, **2013**, 1, 5818	7.1	321
291	Strong solvatochromic fluorescence from the intramolecular charge-transfer state created by excited-state intramolecular proton transfer. *Journal of the American Chemical Society*, **2004**, 126, 11154-5	16.4	273
290	Imidazole-based excited-state intramolecular proton-transfer materials: synthesis and amplified spontaneous emission from a large single crystal. *Journal of the American Chemical Society*, **2005**, 127, 10070-4	16.4	271
289	Photochromic switching of excited-state intramolecular proton-transfer (ESIPT) fluorescence: a unique route to high-contrast memory switching and nondestructive readout. *Journal of the American Chemical Society*, **2006**, 128, 14542-7	16.4	270
288	Shear- and UV-induced fluorescence switching in stilbenic pi-dimer crystals powered by reversible [2 + 2] cycloaddition. *Journal of the American Chemical Society*, **2009**, 131, 8163-72	16.4	259
287	Polymorphic and mechanochromic luminescence modulation in the highly emissive dicyanodistyrylbenzene crystal: secondary bonding interaction in molecular stacking assembly. *Journal of Materials Chemistry*, **2011**, 21, 8338		253
286	Tailor-made highly luminescent and ambipolar transporting organic mixed stacked charge-transfer crystals: an isometric donor-acceptor approach. *Journal of the American Chemical Society*, **2013**, 135, 4757-64	16.4	243
285	Color-tuned highly fluorescent organic nanowires/nanofabrics: easy massive fabrication and molecular structural origin. *Journal of the American Chemical Society*, **2009**, 131, 3950-7	16.4	220

284	Phosphorescent sensor for robust quantification of copper(II) ion. *Journal of the American Chemical Society*, **2011**, 133, 11488-91	16.4	213
283	Nanophotosensitizers toward advanced photodynamic therapy of Cancer. *Cancer Letters*, **2013**, 334, 176-87	9.9	205
282	Unique piezochromic fluorescence behavior of dicyanodistyrylbenzene based donor-acceptor-donor triad: mechanically controlled photo-induced electron transfer (eT) in molecular assemblies. *Advanced Materials*, **2012**, 24, 5487-92	24	184
281	Triphenylamine-Cored Bifunctional Organic Molecules for Two-Photon Absorption and Photorefraction. *Chemistry of Materials*, **2004**, 16, 456-465	9.6	178
280	An all-small-molecule organic solar cell with high efficiency nonfullerene acceptor. *Advanced Materials*, **2015**, 27, 1951-6	24	172
279	A High Efficiency Nonfullerene Organic Solar Cell with Optimized Crystalline Organizations. *Advanced Materials*, **2016**, 28, 910-6	24	164
278	Organic Single Crystal Lasers: A Materials View. *Advanced Optical Materials*, **2016**, 4, 348-364	8.1	163
277	Novel quinoxaline-based organic sensitizers for dye-sensitized solar cells. *Organic Letters*, **2011**, 13, 3880-3	6.2	152
276	Dual-mode switching in highly fluorescent organogels: binary logic gates with optical/thermal inputs. *Angewandte Chemie - International Edition*, **2009**, 48, 7030-4	16.4	151
275	White Luminescence from Polymer Thin Films Containing Excited-State Intramolecular Proton-Transfer Dyes. *Advanced Materials*, **2005**, 17, 2077-2082	24	145
274	A Phosphorescent Ir(III) Complex for Selective Fluoride Ion Sensing with a High Signal-to-Noise Ratio. *Advanced Materials*, **2008**, 20, 3820-3826	24	142
273	Realizing molecular pixel system for full-color fluorescence reproduction: RGB-emitting molecular mixture free from energy transfer crosstalk. *Journal of the American Chemical Society*, **2013**, 135, 11239-46	16.4	141
272	Highly efficient and stable deep-blue emitting anthracene-derived molecular glass for versatile types of non-doped OLED applications. *Journal of Materials Chemistry*, **2012**, 22, 123-129		135
271	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. *Advanced Functional*	15.6	134
270	Strong fluorescence emission induced by supramolecular assembly and gelation: luminescent organogel from nonemissive oxadiazole-based benzene-1,3,5-tricarboxamide gelator. *Chemical Communications*, **2004**, 70-1	5.8	133
269	A Thermoreversible and Proton-Induced Gelâ Sol Phase Transition with Remarkable Fluorescence Variation. *Chemistry of Materials*, **2008**, 20, 6750-6755	9.6	131
268	Self-Healing of Molecular Catalyst and Photosensitizer on Metal-Organic Framework: Robust Molecular System for Photocatalytic H2 Evolution from Water. *Journal of the American Chemical Society*, **2016**, 138, 8698-701	16.4	125
267	Comment on 'aggregation-induced phosphorescent emission (AIPE) of iridium(III) complexes': origin of the enhanced phosphorescence. *Chemical Communications*, **2008**, 3998-4000	5.8	124

266	Photopatterned arrays of fluorescent organic nanoparticles. *Angewandte Chemie - International Edition*, **2007**, 46, 1978-82	16.4	123
265	High Energy Organic Cathode for Sodium Rechargeable Batteries. *Chemistry of Materials*, **2015**, 27, 7258-7264	9.4	122
264	Solid State Luminescence Enhancement in π-Conjugated Materials: Unraveling the Mechanism beyond the Framework of AIE/AIEE. *Journal of Physical Chemistry C*, **2017**, 121, 23166-23183	3.8	120
263	Stimuli-Responsive Reversible Fluorescence Switching in a Crystalline Donor-Acceptor Mixture Film: Mixed Stack Charge-Transfer Emission versus Segregated Stack Monomer Emission. *Angewandte Chemie - International Edition*, **2016**, 55, 203-7	16.4	119
262	Organic Light-Emitting Diodes with a White-Emitting Molecule: Emission Mechanism and Device Characteristics. *Advanced Functional Materials*, **2011**, 21, 644-651	15.6	115
261	High-contrast red-green-blue tricolor fluorescence switching in bicomponent molecular film. *Angewandte Chemie - International Edition*, **2015**, 54, 4330-3	16.4	114
260	Highly efficient deep-blue emitting organic light emitting diode based on the multifunctional fluorescent molecule comprising covalently bonded carbazole and anthracene moieties. *Journal of Materials Chemistry*, **2011**, 21, 9139		113
259	Organic 2D Optoelectronic Crystals: Charge Transport, Emerging Functions, and Their Design Perspective. *Advanced Materials*, **2018**, 30, e1704759	24	113
258	High-Contrast On/Off Fluorescence Switching via Reversible E→Z Isomerization of Diphenylstilbene Containing the π-Cyanostilbenic Moiety. *Journal of Physical Chemistry C*, **2013**, 117, 11285-11291	3.8	112
257	Highly fluorescent chameleon nanoparticles and polymer films: multicomponent organic systems that combine FRET and photochromic switching. *Journal of the American Chemical Society*, **2012**, 134, 12091-7	16.4	111
256	Bistable Photoswitching in the Film of Fluorescent Photochromic Polymer: Enhanced Fluorescence Emission and Its High Contrast Switching. *Macromolecules*, **2005**, 38, 6236-6239	5.5	111
255	Fluorescent zinc sensor with minimized proton-induced interferences: photophysical mechanism for fluorescence turn-on response and detection of endogenous free zinc ions. *Inorganic Chemistry*, **2012**, 51, 8760-74	5.1	109
254	Excited state intramolecular proton transfer and charge transfer dynamics of a 2-(2'-hydroxyphenyl)benzoxazole derivative in solution. *Journal of Physical Chemistry A*, **2010**, 114, 5618-29	2.8	103
253	Direct Spectroscopic Observation of Interligand Energy Transfer in Cyclometalated Heteroleptic Iridium(III) Complexes: A Strategy for Phosphorescence Color Tuning and White Light Generation. *Journal of Physical Chemistry C*, **2007**, 111, 4052-4060	3.8	100
252	Fluorescent Liquid-Crystal Gels with Electrically Switchable Photoluminescence. *Advanced Functional Materials*, **2006**, 16, 1799-1804	15.6	98
251	Blue Electrophosphorescence from Iridium Complex Covalently Bonded to the Poly(9-dodecyl-3-vinylcarbazole): Suppressed Phase Segregation and Enhanced Energy Transfer. *Macromolecules*, **2006**, 39, 349-356	5.5	95
250	Structural changes and their effect on mechanical properties of silk fibroin/chitosan blends. *Journal of Applied Polymer Science*, **1999**, 74, 2571-2575	2.9	95
249	Tetraphenylimidazole-Based Excited-State Intramolecular Proton-Transfer Molecules for Highly Efficient Blue Electroluminescence. *Advanced Functional Materials*, **2008**, 18, 726-731	15.6	93

248	Highly phosphorescent iridium complexes with chromophoric 2-(2-hydroxyphenyl)oxazole-based ancillary ligands: interligand energy-harvesting phosphorescence. *Inorganic Chemistry*, **2008**, 47, 1476-87	5.1	92
247	Indolo[3,2-]indole-based crystalline hole-transporting material for highly efficient perovskite solar cells. *Chemical Science*, **2017**, 8, 734-741	9.4	83
246	Strategic emission color tuning of highly fluorescent imidazole-based excited-state intramolecular proton transfer molecules. *Physical Chemistry Chemical Physics*, **2012**, 14, 8878-84	3.6	82
245	Dye-Condensed Biopolymeric Hybrids: Chromophoric Aggregation and Self-Assembly toward Fluorescent Bionanoparticles for Near Infrared Bioimaging. *Chemistry of Materials*, **2009**, 21, 5819-5825	9.6	81
244	Highly Luminescent 2D-Type Slab Crystals Based on a Molecular Charge-Transfer Complex as Promising Organic Light-Emitting Transistor Materials. *Advanced Materials*, **2017**, 29, 1701346	24	80
243	Star-shaped discotic nematic liquid crystal containing 1,3,5-triethynylbenzene and oxadiazole-based rigid arms. *Tetrahedron Letters*, **2001**, 42, 2697-2699	2	79
242	Photochemically Gated Protonation Effected by Intramolecular Hydrogen Bonding: Towards Stable Fluorescence Imaging in Polymer Films. *Advanced Materials*, **2003**, 15, 1341-1344	24	78
241	High contrast fluorescence patterning in cyanostilbene-based crystalline thin films: crystallization-induced mass flow via a photo-triggered phase transition. *Advanced Materials*, **2014**, 26, 1354-9	24	77
240	Color-Tuned, Highly Emissive Dicyanodistyrylbenzene Single Crystals: Manipulating Intermolecular Stacking Interactions for Spontaneous and Stimulated Emission Characteristics. *Advanced Optical Materials*, **2013**, 1, 232-237	8.1	77
239	Imidazole-based excited-state intramolecular proton-transfer (ESIPT) materials: observation of thermally activated delayed fluorescence (TDF). *Journal of Physical Chemistry A*, **2007**, 111, 9649-53	2.8	76
238	Highly Enhanced Fluorescence of Supramolecular Polymers Based on a Cyanostilbene Derivative and Cucurbit[8]uril in Aqueous Solution. *Angewandte Chemie - International Edition*, **2016**, 55, 15915-15919	16.4	75
237	A ferroelectric photocatalyst for enhancing hydrogen evolution: polarized particulate suspension. *Physical Chemistry Chemical Physics*, **2014**, 16, 10408-13	3.6	74
236	High-performance n-type organic semiconductors: incorporating specific electron-withdrawing motifs to achieve tight molecular stacking and optimized energy levels. *Advanced Materials*, **2012**, 24, 911-5	24	74
235	Photoisomerization-induced gel-to-sol transition and concomitant fluorescence switching in a transparent supramolecular gel of a cyanostilbene derivative. *Chemical Science*, **2014**, 5, 4845-4850	9.4	71
234	Effects of the polyamide molecular structure on the performance of reverse osmosis membranes. *Journal of Polymer Science, Part B: Polymer Physics*, **1998**, 36, 1821-1830	2.6	67
233	A deep red phosphorescent Ir(III) complex for use in polymer light-emitting diodes: role of the arylsilyl substituents. *Journal of Organic Chemistry*, **2007**, 72, 6241-6	4.2	67
232	Soluble Dicyanodistyrylbenzene-Based Non-Fullerene Electron Acceptors with Optimized Aggregation Behavior for High-Efficiency Organic Solar Cells. *Advanced Energy Materials*, **2015**, 5, 1400929	21.8	66
231	Rationally designed molecular DâÃâD triad for piezochromic and acidochromic fluorescence onâ□ff switching. *Journal of Materials Chemistry C*, **2014**, 2, 2552	7.1	65

230	Green-sensitive organic photodetectors with high sensitivity and spectral selectivity using subphthalocyanine derivatives. *ACS Applied Materials & Interfaces*, **2013**, 5, 13089-95	9.5	64
229	Highly fluorescent columnar liquid crystals with elliptical molecular shape: oblique molecular stacking and excited-state intramolecular proton-transfer fluorescence. *Journal of Materials Chemistry*, **2007**, 17, 5052		64
228	High-Mobility n-Type Organic Transistors Based on a Crystallized Diketopyrrolopyrrole Derivative. *Advanced Functional Materials*, **2013**, 23, 3519-3524	15.6	63
227	Fully Reversible Multistate Fluorescence Switching: Organogel System Consisting of Luminescent Cyanostilbene and Turn-On Diarylethene. *Advanced Functional Materials*, **2018**, 28, 1706213	15.6	62
226	Highly efficient photocatalytic water reduction with robust iridium(III) photosensitizers containing arylsilyl substituents. *Angewandte Chemie - International Edition*, **2013**, 52, 11612-5	16.4	61
225	Stimulated Emission Properties of Sterically Modified Distyrylbenzene-Based H-Aggregate Single Crystals. *Journal of Physical Chemistry Letters*, **2013**, 4, 1597-602	6.4	61
224	Rational design for enhancing inflammation-responsive in□vivo chemiluminescence via nanophotonic energy relay to near-infrared AIE-active conjugated polymer. *Biomaterials*, **2016**, 84, 111-118	15.6	60
223	Gelation-induced enhanced fluorescence emission from organogels of salicylanilide-containing compounds exhibiting excited-state intramolecular proton transfer: synthesis and self-assembly. *Chemistry - A European Journal*, **2010**, 16, 7437-47	4.8	58
222	Triptycene-based quinone molecules showing multi-electron redox reactions for large capacity and high energy organic cathode materials in Li-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 3134-3140	13	57
221	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. *Advanced Materials*, **2013**, 25, 719-24	24	56
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219	Amplified Spontaneous Emission from the Film of Poly(aryl ether) Dendrimer Encapsulating Excited-State Intramolecular Proton Transfer Dye. *Journal of Physical Chemistry B*, **2002**, 106, 9291-9294	3.4	56
218	Multicolor Fluorescence Photoswitching: Color-Correlated versus Color-Specific Switching. *Advanced Optical Materials*, **2018**, 6, 1800678	8.1	55
217	Stimulated resonance Raman scattering and laser oscillation in highly emissive distyrylbenzene-based molecular crystals. *Advanced Materials*, **2012**, 24, 6473-8	24	55
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215	Dendritic Ir(III) complexes functionalized with triphenylsilylphenyl groups: Synthesis, DFT calculation and comprehensive structure-property correlation. *Journal of Materials Chemistry*, **2009**, 19, 8347		54
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213	Wholly □conjugated low-molecular-weight organogelator that displays triple-channel responses to fluoride ions. *Langmuir*, **2014**, 30, 2842-51	4	52

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211	Silicon-containing dendritic tris-cyclometalated Ir(III) complex and its electrophosphorescence in a polymer host. *Journal of Materials Chemistry*, **2006**, 16, 4706		52
210	Water-Soluble Fluorinated and PEGylated Cyanostilbene Derivative: An Amphiphilic Building Block Forming Self-Assembled Organic Nanorods with Enhanced Fluorescence Emission. *Chemistry of Materials*, **2013**, 25, 3288-3295	9.6	51
209	All-organic coaxial nanocables with interfacial charge-transfer layers: electrical conductivity and light-emitting-transistor behavior. *Journal of Materials Chemistry*, **2010**, 20, 1062-1064		51
208	Exploring the minimal structure of a wholly aromatic organogelator: simply adding two Cyano groups to distyrylbenzene. *Journal of Materials Chemistry*, **2011**, 21, 18971		49
207	Light-Harvesting Fluorescent Supramolecular Block Copolymers Based on Cyanostilbene Derivatives and Cucurbit[8]urils in Aqueous Solution. *Advanced Functional Materials*, **2018**, 28, 1705141	15.6	49
206	Dual-color fluorescent nanoparticles showing perfect color-specific photoswitching for bioimaging and super-resolution microscopy. *Nature Communications*, **2019**, 10, 3089	17.4	48
205	High-Performance n-Type Organic Transistor with a Solution-Processed and Exfoliation-Transferred Two-Dimensional Crystalline Layered Film. *Chemistry of Materials*, **2012**, 24, 3263-3268	9.6	47
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202	A distyrylbenzene based highly efficient deep red/near-infrared emitting organic solid. *Journal of Materials Chemistry C*, **2015**, 3, 231-234	7.1	43
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200	Structure-Property Correlation in Luminescent Indolo[3,2-b]indole (IDID) Derivatives: Unraveling the Mechanism of High Efficiency Thermally Activated Delayed Fluorescence (TADF). *ACS Applied Materials & Interfaces*, **2017**, 9, 41413-41420	9.5	43
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195	Single-crystalline organic nanowires with large mobility and strong fluorescence emission: a conductive-AFM and space-charge-limited-current study. *Journal of Materials Chemistry*, **2009**, 19, 5920		40

194	Polymorphism and Amplified Spontaneous Emission in a Dicyano-Distyrylbenzene Derivative with Multiple Trifluoromethyl Substituents: Intermolecular Interactions in Play. *Advanced Functional Materials*, **2016**, 26, 2349-2356	15.6	40
193	Excited State Features and Dynamics in a Distyrylbenzene-Based Mixed Stack Donor-Acceptor Cocrystal with Luminescent Charge Transfer Characteristics. *Journal of Physical Chemistry Letters*, **2015**, 6, 3682-7	6.4	38
192	Mechanical properties and reverse osmosis performance of interfacially polymerized polyamide thin films. *Journal of Membrane Science*, **2002**, 197, 199-210	9.6	38
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190	High performance all-small-molecule solar cells: engineering the nanomorphology via processing additives. *Journal of Materials Chemistry A*, **2016**, 4, 14234-14240	13	36
189	Dynamic Characterization of Green-Sensitive Organic Photodetectors Using Nonfullerene Small Molecules: Frequency Response Based on the Molecular Structure. *Journal of Physical Chemistry C*, **2014**, 118, 13424-13431	3.8	36
188	Plasma Polymerization of Hexamethyldisilazane. *Polymer Journal*, **1990**, 22, 242-249	2.7	36
187	Luminescence in Crystalline Organic Materials: From Molecules to Molecular Solids. *Advanced Optical Materials*, **2021**, 9, 2002251	8.1	36
186	Excimer formation in organic emitter films associated with a molecular orientation promoted by steric hindrance. *Chemical Communications*, **2014**, 50, 14145-8	5.8	35
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182	Designing Highly Efficient Cu Photosensitizers for Photocatalytic H Evolution from Water. *ChemSusChem*, **2017**, 10, 1883-1886	8.3	33
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165	Highly Fluorescent and Color-Tunable Exciplex Emission from Poly(N-vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors. *Advanced Functional Materials*, **2014**, 24, 2746-2753	15.6	27
164	A high performance green-sensitive organic photodiode comprising a bulk heterojunction of dimethyl-quinacridone and dicyanovinyl terthiophene. *Journal of Materials Chemistry C*, **2013**, 1, 2666	7.1	27
163	Designing high performance all-small-molecule solar cells with non-fullerene acceptors: comprehensive studies on photoexcitation dynamics and charge separation kinetics. *Energy and Environmental Science*, **2018**, 11, 211-220	35.4	27
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161	Direct Optical Fabrication of Fluorescent, Multilevel 3D Nanostructures for Highly Efficient Chemosensing Platforms. *Advanced Functional Materials*, **2016**, 26, 7170-7177	15.6	25
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159	Micromolding of a highly fluorescent reticular coordination polymer: solvent-mediated reconfigurable polymerization in a soft lithographic mold. *Angewandte Chemie - International Edition*, **2010**, 49, 3757-61	16.4	25

158	Designing Thermally Stable Conjugated Polymers with Balanced Ambipolar Field-Effect Mobilities by Incorporating Cyanovinylene Linker Unit. *Macromolecules*, **2016**, 49, 2985-2992	5.5	25
157	Orthogonal Resonator Modes and Low Lasing Threshold in Highly Emissive Distyrylbenzene-Based Molecular Crystals. *Advanced Optical Materials*, **2014**, 2, 542-548	8.1	24
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