Soo Young Park

List of Publications by Year in Descending Order

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	Highly photostable fluorescent probes for multi-color and super-resolution imaging of cell organelles. *Dyes and Pigments*, **2022**, 204, 110427	4.6	1
300	Substituent effects on the luminescence and charge transport properties of novel bis-lactam-based molecules. *Dyes and Pigments*, **2022**, 110465	4.6	0
299	Ultra-stable dye-sensitized graphene quantum dot as a robust metal-free photocatalyst for hydrogen production. *Journal of Catalysis*, **2021**, 404, 273-282	7.3	2
298	Dual Emission: Classes, Mechanisms, and Conditions. *Angewandte Chemie - International Edition*, **2021**, 60, 22624-22638	16.4	42
297	Vibrationally Assisted Direct Intersystem Crossing between the Same Charge-Transfer States for Thermally Activated Delayed Fluorescence: Analysis by Marcus-Hush Theory Including Reorganization Energy. *Journal of Physical Chemistry B*, **2021**, 125, 2696-2706	3.4	9
296	Femtosecond Transient Absorption Studies of Polymer Aggregation on Photovoltaic Performance: Role of an Integrated Aggregation Promotor in the Polymer Chain. *Journal of Physical Chemistry C*, **2021**, 125, 7568-7580	3.8	0
295	Luminescence in Crystalline Organic Materials: From Molecules to Molecular Solids. *Advanced Optical Materials*, **2021**, 9, 2002251	8.1	36
294	Deep-red fluorescent poly(acrylic acid) hydrogel: Proton transfer to the water soluble dibasic luminescent dye followed by ion-pair formation. *Dyes and Pigments*, **2021**, 188, 109223	4.6	1
293	Thin Film Growth of a Charge Transfer Cocrystal (DCS/TFPA) for Ambipolar Thin Film Transistors. *ACS Applied Electronic Materials*, **2021**, 3, 2783-2789	4	1
292	Duale Emission: Klassen, Mechanismen und Bedingungen. *Angewandte Chemie*, **2021**, 133, 22804	3.6	2
291	Effect of Alkyl Chain Lengths of Highly Crystalline Nonfullerene Acceptors on Open-Circuit Voltage of All-Small-Molecule Organic Solar Cells. *ACS Applied Energy Materials*, **2021**, 4, 259-267	6.1	2
290	Novel anti-Kasha fluorophores exhibiting dual emission with thermally activated delayed fluorescence through detouring triplet manifolds. *Journal of Materials Chemistry C*, **2021**, 9, 7083-7093	7.1	5
289	Designing a naphthyridinedione-based conjugated polymer for thickness-tolerant high efficiency polymer solar cells. *Journal of Materials Chemistry A*, **2021**, 9, 10846-10854	13	3
288	Redox Potential Tuning of s-Tetrazine by Substitution of Electron-Withdrawing/Donating Groups for Organic Electrode Materials. *Molecules*, **2021**, 26,	4.8	4
287	Designing Nonfullerene Acceptors with Oligo(Ethylene Glycol) Side Chains: Unraveling the Origin of Increased Open-Circuit Voltage and Balanced Charge Carrier Mobilities. *Chemistry - an Asian Journal* , **2021**, 16, 2481-2488	4.5	2
286	Influence of Intramolecular Charge-Transfer Characteristics of Excitons on Polaron Generation at the Donor/Acceptor Interface in Polymer Solar Cells. *Journal of Physical Chemistry C*, **2021**, 125, 18352-18361	3.8	2
285	Highly persistent triphenylamine-based catholyte for durable organic redox flow batteries. *Energy Storage Materials*, **2021**, 42, 185-192	19.4	4

284	Synthesis and Electro-Optical Properties of a New Conjugated Polymer Based on a Tetrazine Moiety for Solution-Processed Devices. *Macromolecular Research*, **2021**, 29, 864-870	1.9	3
283	Phenoxazine as a high-voltage p-type redox center for organic battery cathode materials: small structural reorganization for faster charging and narrow operating voltage. *Energy and Environmental Science*, **2020**, 13, 4142-4156	35.4	25
282	Graphene quantum dot with covalently linked Rhodamine dye: a high efficiency photocatalyst for hydrogen evolution. *Carbon*, **2020**, 167, 760-769	10.4	11
281	Twisted acceptors in the design of deep-blue TADF emitters: crucial role of excited-state relaxation in the photophysics of methyl-substituted s-triphenyltriazine derivatives. *Journal of Materials Chemistry C*, **2020**, 8, 6052-6062	7.1	7
280	Self-Assembled Amphiphilic Molecules for Highly Efficient Photocatalytic Hydrogen Evolution from Water. *Journal of Physical Chemistry C*, **2020**, 124, 6971-6978	3.8	1
279	Utilizing Latent Multi-Redox Activity of p-Type Organic Cathode Materials toward High Energy Density Lithium-Organic Batteries. *Advanced Energy Materials*, **2020**, 10, 2001635	21.8	22
278	Ultra-pH-Sensitive Small Molecule Probe Showing a Ratiometric Fluorescence Color Change. *ChemPhotoChem*, **2020**, 4, 393-397	3.3	4
277	Mellitic Triimides Showing Three One-Electron Redox Reactions with Increased Redox Potential as New Electrode Materials for Li-Ion Batteries. *ChemSusChem*, **2020**, 13, 2303-2311	8.3	5
276	Anchored Mediator Enabling Shuttle-Free Redox Mediation in Lithium-Oxygen Batteries. *Angewandte Chemie - International Edition*, **2020**, 59, 5376-5380	16.4	18
275	Tricolor fluorescence switching in a single component mechanochromic molecular material. *Journal of Materials Chemistry C*, **2020**, 8, 7417-7421	7.1	11
274	Cruciform Molecules Bearing Bis(phenylsulfonyl)benzene Moieties for High-Efficiency Solution Processable OLEDs: When Thermally Activated Delayed Fluorescence Meets Mechanochromic Luminescence. *Advanced Optical Materials*, **2020**, 8, 1901021	8.1	17
273	Spectroscopic Studies on Intramolecular Charge-Transfer Characteristics in Small-Molecule Organic Solar Cell Donors: A Case Study on ADA and DAD Triad Donors. *Journal of Physical Chemistry C*, **2020**, 124, 18502-18512	3.8	9
272	Novel Organic Semiconductors Based on 1,5-Naphthyridine-2,6-Dione Unit for Blue-Selective Organic Phototransistor. *Advanced Optical Materials*, **2020**, 8, 2000695	8.1	5
271	Unraveling the Origin of High-Efficiency Photoluminescence in Mixed-Stack Isostructural Crystals of Organic Charge-Transfer Complex: Fine-Tuning of Isometric Donorâ Acceptor Pairs. *Journal of Physical Chemistry C*, **2020**, 124, 20377-20387	3.8	5
270	Anchored Mediator Enabling Shuttle-Free Redox Mediation in Lithium-Oxygen Batteries. *Angewandte Chemie*, **2020**, 132, 5414-5418	3.6	9
269	Bio-inspired Molecular Redesign of a Multi-redox Catholyte for High-Energy Non-aqueous Organic Redox Flow Batteries. *CheM*, **2019**, 5, 2642-2656	16.2	32
268	Structural and Electronic Origin of Bis-Lactam-Based High-Performance Organic Thin-Film Transistors. *ACS Applied Materials & Interfaces*, **2019**, 11, 8301-8309	9.5	9
267	Inverted energy gap law for the nonradiative decay in fluorescent floppy molecules: larger fluorescence quantum yields for smaller energy gaps. *Organic Chemistry Frontiers*, **2019**, 6, 1948-1954	5.2	29

266	Reversible Shape-Morphing and Fluorescence-Switching in Supramolecular Nanomaterials Consisting of Amphiphilic Cyanostilbene and Cucurbit[7]uril. *Chemistry - an Asian Journal*, **2019**, 14, 1457-1461	4.5	3
265	Rational Design of Inflammation-Responsive Inflatable Nanogels for Ultrasound Molecular Imaging. *Chemistry of Materials*, **2019**, 31, 2905-2912	9.6	11
264	The role of substituents in determining the redox potential of organic electrode materials in Li and Na rechargeable batteries: electronic effects vs. substituent-Li/Na ionic interaction. *Journal of Materials Chemistry A*, **2019**, 7, 11438-11443	13	23
263	Crossed 2D versus Slipped 1D π-Stacking in Polymorphs of Crystalline Organic Thin Films: Impact on the Electronic and Optical Response. *Advanced Optical Materials*, **2019**, 7, 1900749	8.1	9
262	Dual-color fluorescent nanoparticles showing perfect color-specific photoswitching for bioimaging and super-resolution microscopy. *Nature Communications*, **2019**, 10, 3089	17.4	48
261	Green-Sensitive Phototransistor Based on Solution-Processed 2D n-Type Organic Single Crystal. *Advanced Electronic Materials*, **2019**, 5, 1900478	6.4	9
260	Fabrication of Pixelated Organic Light-Emitting Transistor (OLET) with a Pure Red-Emitting Organic Semiconductor. *Advanced Optical Materials*, **2019**, 7, 1901274	8.1	11
259	Excited-state non-radiative decay in stilbenoid compounds: an ab initio quantum-chemistry study on size and substituent effects. *Physical Chemistry Chemical Physics*, **2019**, 21, 22429-22439	3.6	9
258	s-Tetrazines as a New Electrode-Active Material for Secondary Batteries. *ChemSusChem*, **2019**, 12, 503-510	8.3	15
257	An exotic band structure of a supramolecular honeycomb lattice formed by a pancake π-π interaction between triradical trianions of triptycene tribenzoquinone. *Chemical Communications*, **2018**, 54, 3815-3818	5.8	10
256	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
255	Supramolecular Materials: Light-Harvesting Fluorescent Supramolecular Block Copolymers Based on Cyanostilbene Derivatives and Cucurbit[8]urils in Aqueous Solution (Adv. Funct. Mater. 4/2018). *Advanced Functional Materials*, **2018**, 28, 1870027	15.6	
254	Highly Luminescent and Water-Soluble Two-Dimensional Supramolecular Organic Framework: All-Organic Photosensitizer Template for Visible-Light-Driven Hydrogen Evolution from Water. *Chemistry - an Asian Journal*, **2018**, 13, 390-394	4.5	22
253	Designing 1,5-Naphthyridine-2,6-dione-Based Conjugated Polymers for Higher Crystallinity and Enhanced Light Absorption to Achieve 9.63% Efficiency Polymer Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1701467	21.8	11
252	Multicolor Fluorescence Photoswitching: Color-Correlated versus Color-Specific Switching. *Advanced Optical Materials*, **2018**, 6, 1800678	8.1	55
251	Exploration of Molecular Shape-Dependent Luminescence Behavior: Fluorogenic Organic Nanoparticles Based on Bent Shaped Excited-State Intramolecular Proton-Transfer Dyes. *ACS Applied Bio Materials*, **2018**, 1, 136-145	4.1	3
250	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
249	Fully Reversible Multistate Fluorescence Switching: Organogel System Consisting of Luminescent Cyanostilbene and Turn-On Diarylethene. *Advanced Functional Materials*, **2018**, 28, 1706213	15.6	62

248	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
247	A Highly Fluorescent and Photoresponsive Polymer Gel Consisting of Poly(acrylic acid) and Supramolecular Cyanostilbene Crosslinkers. *Advanced Optical Materials*, **2018**, 7, 1801348	8.1	12
246	Highly fluorescent and water soluble turn-on type diarylethene for super-resolution bioimaging over a broad pH range. *Dyes and Pigments*, **2018**, 158, 36-41	4.6	11
245	An electron-reservoir Re(I) complex for enhanced efficiency for reduction of CO2 to CO. *Journal of Catalysis*, **2018**, 363, 191-196	7.3	19
244	Organic 2D Optoelectronic Crystals: Charge Transport, Emerging Functions, and Their Design Perspective. *Advanced Materials*, **2018**, 30, e1704759	24	113
243	Insight into Water-Soluble Highly Fluorescent Low-Dimensional Host-Guest Supramolecular Polymers: Structure and Energy-Transfer Dynamics Revealed by Polarized Fluorescence Spectroscopy. *Journal of Physical Chemistry Letters*, **2018**, 9, 3870-3877	6.4	8
242	Photoinduced structural changes of cationic azo dyes confined in a two dimensional nanospace by two different mechanisms. *RSC Advances*, **2017**, 7, 8077-8081	3.7	16
241	Aggregation of an nâ Molecule Induces Fluorescence Turn-on. *Journal of Physical Chemistry C*, **2017**, 121, 11907-11914	3.8	13
240	Bistable Solid-State Fluorescence Switching in Photoluminescent, Infinite Coordination Polymers. *Chemistry - A European Journal*, **2017**, 23, 10017-10022	4.8	6
239	Threshold voltage modulation of polymer transistors by photoinduced chargeâtransfer between donorâcceptor dyads. *Dyes and Pigments*, **2017**, 142, 387-393	4.6	3
238	Designing Highly Efficient Cu Photosensitizers for Photocatalytic H Evolution from Water. *ChemSusChem*, **2017**, 10, 1883-1886	8.3	33
237	Smart Fluorescent Nanoparticles in Water Showing Temperature-Dependent Ratiometric Fluorescence Color Change. *ACS Applied Materials & Interfaces*, **2017**, 9, 2883-2890	9.5	33
236	Solid State Luminescence Enhancement in Conjugated Materials: Unraveling the Mechanism beyond the Framework of AIE/AIEE. *Journal of Physical Chemistry C*, **2017**, 121, 23166-23183	3.8	120
235	Twist-Elasticity-Controlled Crystal Emission in Highly Luminescent Polymorphs of Cyano-Substituted Distyrylbenzene (DCS). *Advanced Optical Materials*, **2017**, 5, 1700340	8.1	21
234	Molecular-scale shear response of the organic semiconductor DBDCS (100) surface. *Physical Review B*, **2017**, 96,	3.3	2
233	Crystallization-Induced Emission Enhancement and Amplified Spontaneous Emission from a CF3-Containing Excited-State Intramolecular-Proton-Transfer Molecule. *Advanced Optical Materials*, **2017**, 5, 1700353	8.1	25
232	Correction to âHigh-Contrast On/Off Fluorescence Switching via Reversible Eâ Isomerization of Diphenylstilbene Containing the Cyanostilbenic Moietyâ*Journal of Physical Chemistry C*, **2017**, 121, 26139-26139	3.8	3
231	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

230	A stereoregular □dicyanodistyrylbenzene (□DCS)-based conjugated polymer for high-performance organic solar cells with small energy loss and high quantum efficiency. *Journal of Materials Chemistry A*, **2017**, 5, 16681-16688	13	20
229	Indolo[3,2-]indole-based crystalline hole-transporting material for highly efficient perovskite solar cells. *Chemical Science*, **2017**, 8, 734-741	9.4	83
228	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
227	Direct Optical Fabrication of Fluorescent, Multilevel 3D Nanostructures for Highly Efficient Chemosensing Platforms. *Advanced Functional Materials*, **2016**, 26, 7170-7177	15.6	25
226	High performance all-small-molecule solar cells: engineering the nanomorphology via processing additives. *Journal of Materials Chemistry A*, **2016**, 4, 14234-14240	13	36
225	Highly Enhanced Fluorescence of Supramolecular Polymers Based on a Cyanostilbene Derivative and Cucurbit[8]uril in Aqueous Solution. *Angewandte Chemie*, **2016**, 128, 16147-16151	3.6	21
224	Dicyanovinyl-substituted indolo[3,2-b]indole derivatives: low-band-gap □conjugated molecules for a single-component ambipolar organic field-effect transistor. *Journal of Materials Chemistry C*, **2016**, 4, 9460-9468	7.1	11
223	Effects of gold nanorods on the excited-state dynamics and photovoltaic performances of hybrid nanocomposites containing poly(3-hexylthiophene). *Journal of Materials Science*, **2016**, 51, 9669-9678	4.3	2
222	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
221	A Novel Bis-Lactam Acceptor with Outstanding Molar Extinction Coefficient and Structural Planarity for Donorâ□Acceptor Type Conjugated Polymer. *Macromolecules*, **2016**, 49, 8489-8497	5.5	20
220	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
219	Tuning the charge transport properties of dicyanodistyrylbenzene derivatives by the number of fluorine substituents. *Synthetic Metals*, **2016**, 216, 51-58	3.6	3
218	Chromogenesis-based Resonance Raman molecular sensor for reactive oxygen species. *Dyes and Pigments*, **2016**, 130, 162-167	4.6	3
217	Patterned Taping: A High-Efficiency Soft Lithographic Method for Universal Thin Film Patterning. *ACS Nano*, **2016**, 10, 3478-85	16.7	21
216	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
215	Highly Sensitive and Selective Fluorescent Probe for Ascorbic Acid with a Broad Detection Range through Dual-Quenching and Bimodal Action of Nitronyl-Nitroxide. *ACS Sensors*, **2016**, 1, 392-398	9.2	32
214	An efficient nonfullerene acceptor for all-small-molecule solar cells with versatile processability in environmentally benign solvents. *Organic Electronics*, **2016**, 30, 105-111	3.5	11
213	Fluorogenic nanoreactor assembly with boosted sensing kinetics for timely imaging of cellular hydrogen peroxide. *Chemical Communications*, **2016**, 52, 1131-4	5.8	5

212	Sub-nanometer resolution of an organic semiconductor crystal surface using friction force microscopy in water. *Journal of Physics Condensed Matter*, **2016**, 28, 134002	1.8	3
211	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
210	Self-Assembled Organic Single Crystalline Nanosheet for Solution Processed High-Performance n-Channel Field-Effect Transistors. *Advanced Materials*, **2016**, 28, 6011-5	24	28
209	A High Efficiency Nonfullerene Organic Solar Cell with Optimized Crystalline Organizations. *Advanced Materials*, **2016**, 28, 910-6	24	164
208	Organic Single Crystal Lasers: A Materials View. *Advanced Optical Materials*, **2016**, 4, 348-364	8.1	163
207	Design, Synthesis, and Versatile Processing of Indolo[3,2-b]indole-Based □Conjugated Molecules for High-Performance Organic Field-Effect Transistors. *Advanced Functional Materials*, **2016**, 26, 2966-2973	15.6	41
206	Stimuli-Responsive Reversible Fluorescence Switching in a Crystalline Donorâ□Acceptor Mixture Film: Mixed Stack Charge-Transfer Emission versus Segregated Stack Monomer Emission. *Angewandte Chemie*, **2016**, 128, 211-215	3.6	32
205	Designing Thermally Stable Conjugated Polymers with Balanced Ambipolar Field-Effect Mobilities by Incorporating Cyanovinylene Linker Unit. *Macromolecules*, **2016**, 49, 2985-2992	5.5	25
204	Nucleation and growth during a fluorogenic precipitation in a micro-flow mapped by fluorescence lifetime microscopy. *New Journal of Chemistry*, **2016**, 40, 4601-4605	3.6	8
203	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
202	Is Color-Specific Photoswitching in Dual-Color Fluorescence Systems Possible? Manipulating Intermolecular Energy Transfer among Two Different Fluorophores and One Photoswitch. *Advanced Optical Materials*, **2016**, 4, 790-797	8.1	24
201	Lasing: Organic Single Crystal Lasers: A Materials View (Advanced Optical Materials 3/2016). *Advanced Optical Materials*, **2016**, 4, 347-347	8.1	3
200	High Energy Organic Cathode for Sodium Rechargeable Batteries. *Chemistry of Materials*, **2015**, 27, 7258-7264	9.2	122
199	Optically tunable Seebeck effect from intramolecular proton-transfer materials in organic vertical thin-film thermoelectric device. *Organic Electronics*, **2015**, 26, 117-120	3.5	6
198	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
197	A distyrylbenzene based highly efficient deep red/near-infrared emitting organic solid. *Journal of Materials Chemistry C*, **2015**, 3, 231-234	7.1	43
196	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
195	Rational Design of an Electron-Reservoir Pt(II) Complex for Efficient Photocatalytic Hydrogen Production from Water. *ChemSusChem*, **2015**, 8, 3204-7	8.3	7

194	High-Contrast RedâGreenâBlue Tricolor Fluorescence Switching in Bicomponent Molecular Film. *Angewandte Chemie*, **2015**, 127, 4404-4407	3.6	19
193	A high-performance ambipolar organic field-effect transistor based on a bidirectional extended diketopyrrolopyrrole under ambient conditions. *RSC Advances*, **2015**, 5, 53412-53418	3.7	10
192	High-contrast red-green-blue tricolor fluorescence switching in bicomponent molecular film. *Angewandte Chemie - International Edition*, **2015**, 54, 4330-3	16.4	114
191	An all-small-molecule organic solar cell with high efficiency nonfullerene acceptor. *Advanced Materials*, **2015**, 27, 1951-6	24	172
190	Photoluminescence Characteristics of p-Phenylene Vinylene and Its Derivatives in Solution and in Nanoaggregates. *Rapid Communication in Photoscience*, **2015**, 4, 70-72		1
189	Orthogonal Resonator Modes and Low Lasing Threshold in Highly Emissive Distyrylbenzene-Based Molecular Crystals. *Advanced Optical Materials*, **2014**, 2, 542-548	8.1	24
188	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
187	Photophysical, amplified spontaneous emission and charge transport properties of oligofluorene derivatives in thin films. *Physical Chemistry Chemical Physics*, **2014**, 16, 16941-56	3.6	43
186	A ferroelectric photocatalyst for enhancing hydrogen evolution: polarized particulate suspension. *Physical Chemistry Chemical Physics*, **2014**, 16, 10408-13	3.6	74
185	Rationally designed molecular DâAâD triad for piezochromic and acidochromic fluorescence onâoff switching. *Journal of Materials Chemistry C*, **2014**, 2, 2552	7.1	65
184	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
183	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
182	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
181	Wholly conjugated low-molecular-weight organogelator that displays triple-channel responses to fluoride ions. *Langmuir*, **2014**, 30, 2842-51	4	52
180	Excimer formation in organic emitter films associated with a molecular orientation promoted by steric hindrance. *Chemical Communications*, **2014**, 50, 14145-8	5.8	35
179	Emission: Highly Fluorescent and Color-Tunable Exciplex Emission from Poly(N-vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors (Adv. Funct. Mater. 19/2014). *Advanced Functional Materials*, **2014**, 24, 2745-2745	15.6	1
178	Molecular-Shape-Dependent Luminescent Behavior of Dye Aggregates: Bent versus Linear Benzocoumarins. *Crystal Growth and Design*, **2014**, 14, 6613-6619	3.5	32
177	High-Mobility n-Type Organic Transistors Based on a Crystallized Diketopyrrolopyrrole Derivative. *Advanced Functional Materials*, **2013**, 23, 3519-3524	15.6	63

176	Luminescent distyrylbenzenes: tailoring molecular structure and crystalline morphology. *Journal of Materials Chemistry C*, **2013**, 1, 5818	7.1	321
175	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
174	Highly efficient photocatalytic water reduction with robust iridium(III) photosensitizers containing arylsilyl substituents. *Angewandte Chemie - International Edition*, **2013**, 52, 11612-5	16.4	61
173	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
172	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
171	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
170	Dynamic dual stage phosphorescence chromatic change in a diborylated iridium phosphor for fluoride ion sensing with concentration discriminating capability. *RSC Advances*, **2013**, 3, 6553	3.7	32
169	Green-sensitive organic photodetectors with high sensitivity and spectral selectivity using subphthalocyanine derivatives. *ACS Applied Materials & Interfaces*, **2013**, 5, 13089-95	9.5	64
168	Acetylene-bridged DâÅâD type small molecule comprising pyrene and diketopyrrolopyrrole for high efficiency organic solar cells. *Organic Electronics*, **2013**, 14, 2341-2347	3.5	29
167	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
166	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
165	Stimulated Emission Properties of Sterically Modified Distyrylbenzene-Based H-Aggregate Single Crystals. *Journal of Physical Chemistry Letters*, **2013**, 4, 1597-602	6.4	61
164	Nanophotosensitizers toward advanced photodynamic therapy of Cancer. *Cancer Letters*, **2013**, 334, 176-87	9.9	205
163	High-Contrast On/Off Fluorescence Switching via Reversible Eâ Isomerization of Diphenylstilbene Containing the Cyanostilbenic Moiety. *Journal of Physical Chemistry C*, **2013**, 117, 11285-11291	3.8	112
162	Organic Field-Effect Transistors: Remarkable Mobility Increase and Threshold Voltage Reduction in Organic Field-Effect Transistors by Overlaying Discontinuous Nano-Patches of Charge-Transfer Doping Layer on Top of Semiconducting Film (Adv. Mater. 5/2013). *Advanced Materials*, **2013**, 25, 646-646	24	3
161	Highly Efficient Photocatalytic Water Reduction with Robust Iridium(III) Photosensitizers Containing Arylsilyl Substituents. *Angewandte Chemie*, **2013**, 125, 11826-11829	3.6	18
160	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 Materials*, **2012**, 22, 61-69	15.6	134
159	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

158	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
157	Concurrent supramolecular gelation and fluorescence turn-on triggered by coordination of silver ion. *Soft Matter*, **2012**, 8, 7617	3.6	37
156	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
155	Solid-state phosphorescence-to-fluorescence switching in a cyclometalated Ir(III) complex containing an acid-labile chromophoric ancillary ligand: implication for multimodal security printing. *Langmuir*, **2012**, 28, 15433-7	4	24
154	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
153	Small molecular host based on carbazole and m-terphenyl derivatives for efficient solution processed organic light-emitting diodes. *Synthetic Metals*, **2012**, 162, 303-308	3.6	6
152	Nanoscale luminescence and optical waveguiding characteristics of organic CN-TFMBE nanowires and hybrid coaxial nanowires. *Synthetic Metals*, **2012**, 162, 1299-1302	3.6	2
151	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
150	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
149	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
148	Self-deprotonation and colorization of 1,3-bis(dicyanomethylidene)indan in polar media: a facile route to a minimal polymethine dye for NIR fluorescence imaging. *Chemistry - A European Journal*, **2012**, 18, 8699-704	4.8	10
147	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
146	Stimulated resonance Raman scattering and laser oscillation in highly emissive distyrylbenzene-based molecular crystals. *Advanced Materials*, **2012**, 24, 6473-8	24	55
145	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
144	Novel quinoxaline-based organic sensitizers for dye-sensitized solar cells. *Organic Letters*, **2011**, 13, 3880-3	6.2	152
143	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
142	Exploring the minimal structure of a wholly aromatic organogelator: simply adding two cyano groups to distyrylbenzene. *Journal of Materials Chemistry*, **2011**, 21, 18971		49
141	Organic Light-Emitting Diodes with a White-Emitting Molecule: Emission Mechanism and Device Characteristics. *Advanced Functional Materials*, **2011**, 21, 644-651	15.6	115

140	Advanced organic optoelectronic materials: harnessing excited-state intramolecular proton transfer (ESIPT) process. *Advanced Materials*, **2011**, 23, 3615-42	24	810
139	Phosphorescent sensor for robust quantification of copper(II) ion. *Journal of the American Chemical Society*, **2011**, 133, 11488-91	16.4	213
138	Concentration and pH-modulated dual fluorescence in self-assembled nanoparticles of phototautomerizable biopolymeric amphiphile. *Dyes and Pigments*, **2011**, 90, 284-289	4.6	30
137	Excited-state intramolecular proton-transfer-induced charge transfer of polyquinoline. *Photochemistry and Photobiology*, **2010**, 86, 1197-201	3.6	11
136	Selected-area in situ generation of highly fluorescent organic nanowires embedded in a polymer film: the solvent-vapor-induced self-assembly process. *Journal of Materials Chemistry*, **2010**, 20, 7715		19
135	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
134	Fabrication of aligned microwire arrays of perylene bisimide by micromolding in capillary. *Synthetic Metals*, **2010**, 160, 1287-1290	3.6	4
133	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
132	High performance n-type organic transistors based on a distyrylthiophene derivative. *Journal of Materials Chemistry*, **2010**, 20, 10103		24
131	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
130	25.1: Invited Paper: White-emitting Molecule: âMolecular Pixelâ from Covalently Bonded Sub-pixels. *Digest of Technical Papers SID International Symposium*, **2010**, 41, 350	0.5	
129	Synthesis of Highly Fluorescent and Soluble 1,2,4-Linking Hyperbranched Poly(arylenevinylene) Featuring Intramolecular Energy Funneling. *Advanced Functional Materials*, **2010**, 20, 1638-1644	15.6	13
128	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
127	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
126	Characterization of self-assembled structure of discotic liquid crystal molecules using small-angle X-ray scattering and computer simulation methods based on intermolecular interactions. *Journal of Molecular Structure*, **2010**, 984, 371-375	3.4	5
125	Molecular J-aggregation for the LangmuirâBlodgett film of a novel tripodal dye. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 366, 34-37	5.1	
124	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
123	Fabrication of a patterned assembly of semiconducting organic nanowires. *Small*, **2009**, 5, 804-7	11	33

122	Self-assembled liquid-crystal gels in an emulsion. *Langmuir*, **2009**, 25, 8532-7	4	14
121	A thermally resistant and air-stable n-type organic semiconductor: Naphthalene diimide of 3,5-bis-trifluoromethyl aniline. *Synthetic Metals*, **2009**, 159, 2117-2121	3.6	29
120	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
119	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
118	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
117	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
116	Dendritic Ir(III) complexes functionalized with triphenylsilylphenyl groups: Synthesis, DFT calculation and comprehensive structure-property correlation. *Journal of Materials Chemistry*, **2009**, 19, 8347		54
115	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
114	Phosphorescent iridium(III) complexes: toward high phosphorescence quantum efficiency through ligand control. *Dalton Transactions*, **2009**, 1267-82	4.3	561
113	Highly fluorescent supramolecular gels with chirality transcription through hydrogen bonding. *Chemical Communications*, **2008**, 2794-6	5.8	55
112	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
111	Comment on 'aggregation-induced phosphorescent emission (AIPE) of iridium(III) complexes': origin of the enhanced phosphorescence. *Chemical Communications*, **2008**, 3998-4000	5.8	124
110	Self-assembled perpendicular growth of organic nanoneedles via simple vapor-phase deposition: one-step fabrication of a superhydrophobic surface. *Chemical Communications*, **2008**, 2998-3000	5.8	34
109	Application of excited-state intramolecular proton transfer (ESIPT) principle to functional polymeric materials. *Macromolecular Research*, **2008**, 16, 385-395	1.9	43
108	Tetraphenylimidazole-Based Excited-State Intramolecular Proton-Transfer Molecules for Highly Efficient Blue Electroluminescence. *Advanced Functional Materials*, **2008**, 18, 726-731	15.6	93
107	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
106	DNA detection via programmed core-shell nanodot-assembly with concomitant fluorescence modulation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 196, 94-98	4.7	
105	Excited state intramolecular proton transfer dynamics of semi-rigid polyquinoline in solution and polymer film. *Chemical Physics Letters*, **2008**, 450, 302-307	2.5	17

104	A Thermoreversible and Proton-Induced Gelâ Sol Phase Transition with Remarkable Fluorescence Variation. *Chemistry of Materials*, **2008**, 20, 6750-6755	9.6	131
103	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
102	Photopatterned arrays of fluorescent organic nanoparticles. *Angewandte Chemie - International Edition*, **2007**, 46, 1978-82	16.4	123
101	Cleavage-induced fluorescence change via hydrophilicity control: A new strategy for biological application. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 188, 149-154	4.7	3
100	Torsion-induced fluorescence quenching in excited-state intramolecular proton transfer (ESIPT) dyes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 191, 19-24	4.7	33
99	Enhanced solid-state fluorescence in the oxadiazole-based excited-state intramolecular proton-transfer (ESIPT) material: Synthesis, optical property, and crystal structure. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 191, 51-58	4.7	22
98	Colorimetric and highly selective â urn-onâ fluorescent anion chemosensors with excited state proton transfer. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 191, 228-232	4.7	7
97	Polarization-dependent optical gain in crystal and glass composed of excited-state intramolecular proton transfer organic molecules. *Materials Letters*, **2007**, 61, 4213-4215	3.3	2
96	Distributed Feedback Waveguide Laser of Organic Nano-compound Material. *Molecular Crystals and Liquid Crystals*, **2007**, 463, 173/[455]-183/[465]	0.5	4
95	A highly efficient wide-band-gap host material for blue electrophosphorescent light-emitting devices. *Applied Physics Letters*, **2007**, 91, 233501	3.4	46
94	Reversible Photon-mode Phosphorescence Switching of Heteroleptic Cyclometalated Iridium(III) Complexes via Photochromic Bisthienylethene Switch Linked to Ancillary Ligand. *Chemistry Letters*, **2007**, 36, 888-889	1.7	18
93	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
92	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
91	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
90	Fluorescent Liquid-Crystal Gels with Electrically Switchable Photoluminescence. *Advanced Functional Materials*, **2006**, 16, 1799-1804	15.6	98
89	Amplified Spontaneous Emission in Organic Solids Composed of Excited-State Intramolecular Proton Transfer Molecules **2006**, WB24		
88	A Modified Strategy for the Synthesis of Hyperbranched Poly(p-phenylenevinylene): Achieving Extended Conjugation with Growing Molecular Weight. *Macromolecules*, **2006**, 39, 9-11	5.5	24
87	Anisotropic Polysilsesquioxanes with Fluorescent Organic Bridges: Transcription of Strong Interactions of Organic Bridges to the Long-Range Ordering of Silsesquioxanes. *Chemistry of Materials*, **2006**, 18, 5716-5721	9.6	30

86	Silicon-containing dendritic tris-cyclometalated Ir(III) complex and its electrophosphorescence in a polymer host. *Journal of Materials Chemistry*, **2006**, 16, 4706		52
85	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
84	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
83	Functional organotrimethoxysilane derivative with strong intermolecular pi-pi interaction: one-pot grafting reaction on oxidized silicon substrates. *Langmuir*, **2006**, 22, 7132-4	4	20
82	Synthesis and Photoisomerization Characteristics of a 2,4,4â€²-Substituted Azobenzene Tethered to the Side Chains of Polymethacrylamide. *Macromolecules*, **2006**, 39, 3217-3223	5.5	21
81	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
80	Strongly Fluorescent and Thermally Stable Functional Polybenzoxazole Film:Excited-State Intramolecular Proton Transfer and Chemically Amplified Photopatterning. *Macromolecules*, **2005**, 38, 4557-4559	5.5	52
79	Supramolecular ordering of tripod dyes at the air/water interface. *Langmuir*, **2005**, 21, 5647-50	4	7
78	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
77	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
76	Ring-Opening Polymerization of L-Lactide in Supercritical Chlorodifluoromethane. *Macromolecular Symposia*, **2005**, 224, 85-92	0.8	1
75	White Luminescence from Polymer Thin Films Containing Excited-State Intramolecular Proton-Transfer Dyes. *Advanced Materials*, **2005**, 17, 2077-2082	24	145
74	Highly Sensitive Fluorescence Probes for Organic Vapors: On/off and Dual Color Fluorescence Switching. *Bulletin of the Korean Chemical Society*, **2005**, 26, 1555-1559	1.2	18
73	All-optical polymeric interferometeric wavelength converter comprising an excited state intramolecular proton transfer dye. *Applied Physics Letters*, **2004**, 84, 4221-4223	3.4	5
72	ORIENTATION REARRANGEMENT AND AGGREGATION OF OXADIAZOLE TYPE DYE. *Journal of Nonlinear Optical Physics and Materials*, **2004**, 13, 553-558	0.8	1
71	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
70	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
69	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

68	Photoswitchable Organic Nanoparticles and a Polymer Film Employing Multifunctional Molecules with Enhanced Fluorescence Emission and Bistable Photochromism. *Angewandte Chemie*, **2004**, 116, 6506-6510	3.6	56
67	Ring-opening polymerization of L-lactide and preparation of its microsphere in supercritical fluids. *Macromolecular Bioscience*, **2004**, 4, 340-5	5.5	7
66	Effects of Pressure and Temperature on the Kinetics ofl-Lactide Polymerization in Supercritical Chlorodifluoromethane. *Macromolecules*, **2004**, 37, 3564-3568	5.5	10
65	Triphenylamine-Cored Bifunctional Organic Molecules for Two-Photon Absorption and Photorefraction. *Chemistry of Materials*, **2004**, 16, 456-465	9.6	178
64	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
63	SURFACE PLASMON RESONANCE ENHANCED SECOND-HARMONIC GENERATION IN POLED POLYMER THIN FILM. *Molecular Crystals and Liquid Crystals*, **2003**, 406, 129-133	0.5	5
62	Photochemically Gated Protonation Effected by Intramolecular Hydrogen Bonding: Towards Stable Fluorescence Imaging in Polymer Films. *Advanced Materials*, **2003**, 15, 1341-1344	24	78
61	Fine tuning of glass transition temperature in monolithic organic photorefractive material. *Optical Materials*, **2003**, 21, 359-364	3.3	10
60	Synthesis and Structural Effect of Multifunctional Photorefractive Polymers Containing Monolithic Chromophores. *Macromolecules*, **2003**, 36, 7970-7976	5.5	33
59	High Molecular Weight Poly(l-lactide) and Its Microsphere Synthesized in Supercritical Chlorodifluoromethane. *Macromolecules*, **2003**, 36, 7884-7886	5.5	11
58	Kinetic and Mechanistic Studies of l-Lactide Polymerization in Supercritical Chlorodifluoromethane. *Macromolecules*, **2003**, 36, 8923-8930	5.5	22
57	Supramolecular assembly of fluorescent phasmidic diacetylene and its photopolymerization. *Chemical Communications*, **2003**, 2306-7	5.8	17
56	Mechanical properties and reverse osmosis performance of interfacially polymerized polyamide thin films. *Journal of Membrane Science*, **2002**, 197, 199-210	9.6	38
55	Microstructure analysis and thermal property of copolymers made of glycolide and ?-caprolactone by stannous octoate. *Journal of Polymer Science Part A*, **2002**, 40, 544-554	2.5	44
54	Charge carrier mobility and photorefractive grating buildup in bipolar organic glasses. *Applied Physics Letters*, **2002**, 81, 190-192	3.4	5
53	Cyclic Intramolecular Proton Transfer Dynamics of Polyquinoline. *Molecular Crystals and Liquid Crystals*, **2002**, 377, 305-308	0.5	1
52	Wavelength Dependence of a Two-Beam Coupling Measurement on a Fully Functional Photorefractive Polymer. *Chinese Physics Letters*, **2002**, 19, 66-68	1.8	2
51	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

50	Excited-State Intramolecular Proton Transfer and Stimulated Emission from Phototautomerizable Polyquinoline Film. *Macromolecules*, **2002**, 35, 6064-6066	5.5	21
49	Excited-State Intramolecular Proton Transfer in a Dendritic Macromolecular System:Poly(aryl ether) Dendrimers with Phototautomerizable Quinoline Core. *Macromolecules*, **2002**, 35, 2748-2753	5.5	29
48	Enhanced emission and its switching in fluorescent organic nanoparticles. *Journal of the American Chemical Society*, **2002**, 124, 14410-5	16.4	1656
47	Synthesis and properties of novel electroluminescent oligomers containing carbazolylene?vinylene?sulfonylene units for a light-emitting diode. *Thin Solid Films*, **2001**, 401, 111-117	2.2	8
46	Synthesis and characterization of photoconducting non-linear optical polymers containing indole-benzoxazole moiety. *Polymer*, **2001**, 42, 3023-3031	3.9	22
45	Star-shaped discotic nematic liquid crystal containing 1,3,5-triethynylbenzene and oxadiazole-based rigid arms. *Tetrahedron Letters*, **2001**, 42, 2697-2699	2	79
44	Carbazole-based Photorefractive Organic Glass Showing High Diffraction Efficiency at Low External Electric Field. *Japanese Journal of Applied Physics*, **2001**, 40, 3301-3304	1.4	11
43	Synthesis of Novel Discotic Mesogen Containing Electron-Transportable Oxadiazole Moiety. *Molecular Crystals and Liquid Crystals*, **2001**, 370, 391-394		7
42	Efficient and Bright Blue Electroluminescence of Poly[4,4â biphenylene-(9â 9â dihexyl-3-fluorenyl)vinylene]. *Macromolecules*, **2001**, 34, 3993-3997	5.5	54
41	Thermotropic Polymethacrylate Bearing Sulfonylbenzoxazole-Based Multifunctional Photoactive Mesogen. *Macromolecules*, **2001**, 34, 3947-3953	5.5	6
40	Low Tg Photorefractive Polyacrylate Containing 3-(6-Nitrobenzoxazol-2-yl)indole as a Monolithic Chromophore. *Macromolecules*, **2001**, 34, 4656-4658	5.5	12
39	Synthesis of Hole-Transporting Hydrazone Dendrimers. *Chemistry Letters*, **2000**, 29, 1298-1299	1.7	10
38	Polymer Electroluminescent Devices of Poly(4,4?-triphenyl amine-diylvinylene-alt-4,4?-diphenyl-sulfone-vinylene) (PTASV). *Molecular Crystals and Liquid Crystals*, **2000**, 349, 383-388		
37	Analysis of chemical structure of fluoro-containing copolyamic acid methyl esters and its effect on the thermal imidization process. *European Polymer Journal*, **2000**, 36, 2621-2628	5.2	3
36	Direct polymerization of aromatic diacid dimethyl esters with aromatic diamines II. Control of copolyimide chemical structure. *Polymer*, **2000**, 41, 433-440	3.9	8
35	Synthesis and properties of oligomeric poly(glycidyl ether)s with a carbazole-based multifunctional photorefractive chromophore. *Reactive and Functional Polymers*, **2000**, 45, 109-117	4.6	12
34	First hyperpolarizabilities of dipolar photoconductive chromophores: an approach toward monolithic molecular materials for photorefractivity. *Chemical Physics*, **2000**, 256, 289-294	2.3	5
33	Monolithic photorefractive molecule with excellent transparency in the visible region. *Applied Physics Letters*, **2000**, 77, 1422-1424	3.4	21

32	Light-emitting properties of PMMA-based new side chain polymers. *Synthetic Metals*, **2000**, 111-112, 489-491	3.6	8
31	Excited-State Intramolecular Proton Transfer via a Preexisting Hydrogen Bond in Semirigid Polyquinoline. *Macromolecules*, **2000**, 33, 7223-7225	5.5	35
30	Induced Circular Dichroism of Disperse Red Dye in the Self-Assembled Nanoparticles Composed of Poly(□benzyll-glutamate) and Poly(N-isopropylacrylamide) and Its Phase Transition by Temperature. *Macromolecules*, **2000**, 33, 8921-8923	5.5	10
29	%Synthesis and Properties of Photorefractive Polymers Containing Indole-Based Multifunctional Chromophore as a Pendant Group. *Macromolecules*, **2000**, 33, 5116-5123	5.5	42
28	Synthesis of Nonlinear Optical Side-Chain Polymers Containing the Carbazolyldinitrophenylhydrazone Moiety by Polymer Reaction. *Polymer Journal*, **1999**, 31, 55-60	2.7	6
27	Synthesis and Properties of Highly Fluorescent Liquid Crystals Containing Benzoxazole Moiety. *Molecular Crystals and Liquid Crystals*, **1999**, 337, 405-408		14
26	Synthesis of photoconducting nonlinear optical side-chain polymers containing carbazole derivatives. *Reactive and Functional Polymers*, **1999**, 42, 73-86	4.6	35
25	Electro-optical properties of thermally stable self-crosslinkable copolymer with glycidyl methacrylate units. *European Polymer Journal*, **1999**, 35, 1197-1201	5.2	9
24	Synthesis and properties of nonlinear optical chromophores and polymers containing 6-nitroquinoline as □electron acceptor. *Polymer Bulletin*, **1999**, 42, 175-181	2.4	5
23	Synthesis and properties of poly(p-phenylenevinylene-co-sulfonylene) for a blue light-emitting diode. *Polymer Bulletin*, **1999**, 43, 13-20	2.4	12
22	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
21	Synthesis of nonlinear optical polymers with large photoconductive sensitivity and transparency. *Macromolecular Symposia*, **1999**, 142, 61-71	0.8	3
20	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
19	Thermally stable maleimide copolymer for second-order nonlinear optics. *Journal of Applied Polymer Science*, **1996**, 59, 9-14	2.9	11
18	Enhancement of optical nonlinearity in a guest-host system by nematic ordering. *Optical and Quantum Electronics*, **1995**, 27, 337-345	2.4	2
17	Synthesis of Second-Order Nonlinear Optical Polymers Containing Stilbazolium Salt Chromophore in the Side Chain. *Molecular Crystals and Liquid Crystals*, **1995**, 267, 53-58		3
16	Self-Crosslinkable Side-Chain Nonlinear Optical Copolymer. *Molecular Crystals and Liquid Crystals*, **1995**, 267, 59-64		3
15	Second-order nonlinear optical properties of novel □methylstyrene copolymers containing the organo-boron salt dye chromophore in the side chain. *Synthetic Metals*, **1995**, 71, 1731-1732	3.6	1

14	Characteristics of heterojunction consisting of plasma polymerized thiophene and n-type silicon. *Synthetic Metals*, **1995**, 71, 2263-2264	3.6	9
13	Third-Order Optical Nonlinearity of Poly(1,6-Heptadiyne) Derivatives Containing Mesogenic Moiety. *Molecular Crystals and Liquid Crystals*, **1994**, 247, 129-137		10
12	Third-order optical nonlinearity of conjugated poly(4,4-disubstituted-1,6-heptadiyne)s. *Applied Physics Letters*, **1994**, 65, 289-291	3.4	5
11	Second-Order Nonlinear Optical Properties of A Novel Poly Methylstyrene Analogue. *Molecular Crystals and Liquid Crystals*, **1994**, 247, 81-90		4
10	Semiconductor Devices Using the Plasma-Polymerized Pyrrole. *Molecular Crystals and Liquid Crystals*, **1994**, 247, 321-329		1
9	New Field-Effect Transistor Using the Semiconducting Plasma-Polymerized Films. *Molecular Crystals and Liquid Crystals*, **1993**, 224, 53-59		6
8	Third-Harmonic Generation of Polymeric Charge-Transfer Complex Film. *Molecular Crystals and Liquid Crystals*, **1993**, 227, 151-158		2
7	Photoconductivity and photovoltaic effect of charge-transfer complex of poly[4-phenyl-2,6-(p-phenoxy) quinoline] and 2,3-dichloro-5,6-dicyano-1,4-benzoquinone. *Journal of Applied Polymer Science*, **1993**, 50, 1429-1433	2.9	2
6	Synthesis and photoelectrical properties of poly[2,6-(p-phenoxy)-4-phenylquinoline]. *Journal of Applied Polymer Science*, **1992**, 46, 1-7	2.9	15
5	Plasma Polymerization of Hexamethyldisilazane. *Polymer Journal*, **1990**, 22, 242-249	2.7	36
4	ITIC derivative acceptors for ternary organic solar cells: fine-tuning of absorption bands, LUMO energy levels, and cascade charge transfer. *Sustainable Energy and Fuels*,	5.8	3
3	Effects of substituents on the intermolecular interaction, morphology, and charge transport of novel bis-lactam-based molecules. *Journal of Materials Chemistry C*,	7.1	2
2	Procedure Optimization for Organic Ambipolar Transistor: Laterally Aligned Micro n-/p-Channels via Dry Soft-Lithographic Process. *Advanced Electronic Materials*,2101041	6.4	
1	Improved Stability and Efficiency of Inverted Perovskite Solar Cell by Employing Nickel Oxide Hole Transporting Material Containing Ammonium Salt Stabilizer. *Advanced Functional Materials*,2200437	15.6	1