

# Sang Kyu Park

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

2,007  
citations

331670

21  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3032  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Mechanisms of Superelasticity and Ferroelasticity in Organic Semiconductor Crystals. <i>Chemistry of Materials</i> , 2021, 33, 1883-1892.	6.7	15
2	Radically Tunable n-Type Organic Semiconductor via Polymorph Control. <i>Chemistry of Materials</i> , 2021, 33, 2466-2477.	6.7	15
3	<sc>PolyChemPrint</sc>: A hardware and software framework for benchtop additive manufacturing of functional polymeric materials. <i>Journal of Polymer Science</i> , 2021, 59, 2468-2478.	3.8	3
4	Thin Film Growth of a Charge Transfer Cocrystal (DCS/TFPA) for Ambipolar Thin Film Transistors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2783-2789.	4.3	5
5	Memory effect of vertically stacked hBN/QDs/hBN structures based on quantum-dot monolayers sandwiched between hexagonal boron nitride layer. <i>Composites Part B: Engineering</i> , 2021, 225, 109307.	12.0	7
6	Martensitic transition in molecular crystals for dynamic functional materials. <i>Chemical Society Reviews</i> , 2020, 49, 8287-8314.	38.1	76
7	Super- and Ferroelastic Organic Semiconductors for Ultraflexible Single-Crystal Electronics. <i>Angewandte Chemie</i> , 2020, 132, 13104-13112.	2.0	9
8	Unraveling the Origin of High-Efficiency Photoluminescence in Mixed-Stack Isostructural Crystals of Organic Charge-Transfer Complex: Fine-Tuning of Isometric Donor-Acceptor Pairs. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20377-20387.	3.1	10
9	Super- and Ferroelastic Organic Semiconductors for Ultraflexible Single-Crystal Electronics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13004-13012.	13.8	39
10	Crossed 2D versus Slipped 1D $\pi$ - $\pi$ Stacking in Polymorphs of Crystalline Organic Thin Films: Impact on the Electronic and Optical Response. <i>Advanced Optical Materials</i> , 2019, 7, 1900749.	7.3	13
11	Green-Sensitive Phototransistor Based on Solution-Processed 2D n-Type Organic Single Crystal. <i>Advanced Electronic Materials</i> , 2019, 5, 1900478.	5.1	15
12	Fabrication of Pixelated Organic Light-Emitting Transistor (OLET) with a Pure Red-Emitting Organic Semiconductor. <i>Advanced Optical Materials</i> , 2019, 7, 1901274.	7.3	19
13	Organic 2D Optoelectronic Crystals: Charge Transport, Emerging Functions, and Their Design Perspective. <i>Advanced Materials</i> , 2018, 30, e1704759.	21.0	161
14	Bistable Solid-State Fluorescence Switching in Photoluminescent, Infinite Coordination Polymers. <i>Chemistry - A European Journal</i> , 2017, 23, 10017-10022.	3.3	6
15	Crystallization-Induced Emission Enhancement and Amplified Spontaneous Emission from a CF <sub>3</sub> -Containing Excited-State Intramolecular Proton-Transfer Molecule. <i>Advanced Optical Materials</i> , 2017, 5, 1700353.	7.3	41
16	Highly Luminescent 2D-Type Slab Crystals Based on a Molecular Charge-Transfer Complex as Promising Organic Light-Emitting Transistor Materials. <i>Advanced Materials</i> , 2017, 29, 1701346.	21.0	111
17	Polymorphism and Amplified Spontaneous Emission in a Dicyano-Distyrylbenzene Derivative with Multiple Trifluoromethyl Substituents: Intermolecular Interactions in Play. <i>Advanced Functional Materials</i> , 2016, 26, 2349-2356.	14.9	46
18	Self-Assembled Organic Single Crystalline Nanosheet for Solution Processed High-Performance n-Channel Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 6011-6015.	21.0	35

#	ARTICLE	IF	CITATIONS
19	A High Efficiency Nonfullerene Organic Solar Cell with Optimized Crystalline Organizations. <i>Advanced Materials</i> , 2016, 28, 910-916.	21.0	179
20	Design, Synthesis, and Versatile Processing of Indolo[3,2-b]indole-Based $\pi$ -Conjugated Molecules for High-Performance Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2016, 26, 2966-2973.	14.9	54
21	Designing Thermally Stable Conjugated Polymers with Balanced Ambipolar Field-Effect Mobilities by Incorporating Cyanovinylene Linker Unit. <i>Macromolecules</i> , 2016, 49, 2985-2992.	4.8	27
22	Stimuli-Responsive Reversible Fluorescence Switching in a Crystalline Donor-Acceptor Mixture Film: Mixed Stack Charge-Transfer Emission versus Segregated Stack Monomer Emission. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 203-207.	13.8	147
23	Dicyanovinyl-substituted indolo[3,2-b]indole derivatives: low-band-gap $\pi$ -conjugated molecules for a single-component ambipolar organic field-effect transistor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9460-9468.	5.5	16
24	Patterned Taping: A High-Efficiency Soft Lithographic Method for Universal Thin Film Patterning. <i>ACS Nano</i> , 2016, 10, 3478-3485.	14.6	22
25	An All-Small-Molecule Organic Solar Cell with High Efficiency Nonfullerene Acceptor. <i>Advanced Materials</i> , 2015, 27, 1951-1956.	21.0	184
26	Excited State Features and Dynamics in a Distyrylbenzene-Based Mixed Stack Donor-Acceptor Cocrystal with Luminescent Charge Transfer Characteristics. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3682-3687.	4.6	44
27	Soluble Dicyanodistyrylbenzene-Based Non-Fullerene Electron Acceptors with Optimized Aggregation Behavior for High-Efficiency Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1400929.	19.5	72
28	Emission: Highly Fluorescent and Color-Tunable Exciplex Emission from Poly(N-vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors ( <i>Adv. Funct. Mater.</i> 19/2014). <i>Advanced Functional Materials</i> , 2014, 24, 2745-2745.	14.9	1
29	Highly Fluorescent and Color-Tunable Exciplex Emission from Poly(N-vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors. <i>Advanced Functional Materials</i> , 2014, 24, 2746-2753.	14.9	31
30	High-Mobility n-Type Organic Transistors Based on a Crystallized Diketopyrrolopyrrole Derivative. <i>Advanced Functional Materials</i> , 2013, 23, 3519-3524.	14.9	68
31	Tailor-Made Highly Luminescent and Ambipolar Transporting Organic Mixed Stacked Charge-Transfer Crystals: An Isometric Donor-Acceptor Approach. <i>Journal of the American Chemical Society</i> , 2013, 135, 4757-4764.	13.7	288
32	Color-Tuned, Highly Emissive Dicyanodistyrylbenzene Single Crystals: Manipulating Intermolecular Stacking Interactions for Spontaneous and Stimulated Emission Characteristics. <i>Advanced Optical Materials</i> , 2013, 1, 232-237.	7.3	86
33	Stimulated Emission Properties of Sterically Modified Distyrylbenzene-Based H-Aggregate Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1597-1602.	4.6	71
34	High-Performance n-Type Organic Transistor with a Solution-Processed and Exfoliation-Transferred Two-Dimensional Crystalline Layered Film. <i>Chemistry of Materials</i> , 2012, 24, 3263-3268.	6.7	57
35	Interfacing in Highly Luminescent Organic Charge-Transfer Co-Crystals. , 0, , .		0
36	Procedure Optimization for Organic Ambipolar Transistor: Laterally Aligned Micro-p Channels via Dry Soft-Lithographic Process. <i>Advanced Electronic Materials</i> , 0, , 2101041.	5.1	0