## Ji-Eun Jeong

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Fast, Localized, and Low-Energy Consumption Self-Healing of Automotive Clearcoats Using a Photothermal Effect Triggered by NIR Radiation. ACS Applied Polymer Materials, 2022, 4, 3802-3810.	2.0	14
2	Biofilm development of Bacillus siamensis ATKU1 on pristine short chain low-density polyethylene: A case study on microbe-microplastics interaction. Journal of Hazardous Materials, 2021, 409, 124516.	6.5	32
3	One-pot synthesis for gradient copolymers via concurrent tandem living radical polymerization: mild and selective transesterification of methyl acrylate through Al(acac)3 with common alcohols. RSC Advances, 2021, 11, 26049-26055.	1.7	0
4	Influence of Material Properties on the Damage-Reporting and Self-Healing Performance of a Mechanically Active Dynamic Network Polymer in Coating Applications. Molecules, 2021, 26, 2468.	1.7	9
5	Rational Molecular Design of Azaacene-Based Narrowband Green-Emitting Fluorophores: Modulation of Spectral Bandwidth and Vibronic Transitions. ACS Applied Materials & Interfaces, 2021, 13, 26227-26236.	4.0	27
6	Ultraâ€Deepâ€Blue Aggregationâ€Induced Delayed Fluorescence Emitters: Achieving Nearly 16% EQE in Solutionâ€Processed Nondoped and Doped OLEDs with CIE <i><sub>y</sub></i> Â< 0.1. Advanced Functional Materials, 2021, 31, 2102588.	7.8	69
7	Recent advances in organic luminescent materials with narrowband emission. NPG Asia Materials, 2021, 13, .	3.8	209
8	A pHâ€Neutral Polyelectrolyte Hole Transport Layer for Improved Energy Band Structure at the Anode/PTB7 Junction and Improved Solar Cell Performance. Solar Rrl, 2021, 5, 2100521.	3.1	4
9	Exciton energy transfer and bi-exciton annihilation in the emitting layers of thermally activated delayed fluorescence-based OLEDs. Journal of Materials Chemistry C, 2021, 9, 15141-15149.	2.7	4
10	lsomeric sp2-C-conjugated porous organic polymer-mediated photo- and sono-catalytic detoxification of sulfur mustard simulant under ambient conditions. Matter, 2021, 4, 3774-3785.	5.0	10
11	Pyrimidine-based bipolar host materials for high efficiency solution processed green thermally activated delayed fluorescence OLEDs. Journal of Materials Chemistry C, 2020, 8, 2196-2204.	2.7	15
12	Universal polymeric bipolar hosts for highly efficient solution-processable blue and green thermally activated delayed fluorescence OLEDs. Journal of Materials Chemistry C, 2020, 8, 16048-16056.	2.7	14
13	Improved Interfacial Crystallization by Synergic Effects of Precursor Solution Stoichiometry and Conjugated Polyelectrolyte Interlayer for High Open-Circuit Voltage of Perovskite Photovoltaic Diodes. ACS Applied Materials & Interfaces, 2020, 12, 12328-12336.	4.0	17
14	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. ACS Applied Materials & Interfaces, 2020, 12, 35300-35310.	4.0	21
15	Multifunctional Charge Transporting Materials for Perovskite Lightâ€Emitting Diodes. Advanced Materials, 2020, 32, e2002176.	11.1	55
16	Sky-Blue-Emissive Perovskite Light-Emitting Diodes: Crystal Growth and Interfacial Control Using Conjugated Polyelectrolytes as a Hole-Transporting Layer. ACS Nano, 2020, 14, 13246-13255.	7.3	38
17	Anionic Conjugated Polyelectrolytes for FRETâ€based Imaging of Cellular Membrane Potential. Photochemistry and Photobiology, 2020, 96, 834-844	1.3	5
18	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. Frontiers in Chemistry, 2020, 8, 61.	1.8	9

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19	Rational Design of Carbazole- and Carboline-Based Polymeric Host Materials for Realizing High-Efficiency Solution-Processed Thermally Activated Delayed Fluorescence Organic Light-Emitting Diode. ACS Applied Materials & Interfaces, 2020, 12, 8485-8494.	4.0	21
20	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. Journal of Materials Chemistry C, 2020, 8, 6780-6787.	2.7	26
21	Chromenopyrazole-based bipolar host materials for solution-processable thermally activated delayed fluorescence OLEDs exhibiting high efficiency and low roll-off. Chemical Communications, 2019, 55, 12952-12955.	2.2	16
22	An excellent bipolar host material exhibiting EQE of 24.0% with small efficiency roll-off in solution-processable thermally activated delayed fluorescence OLEDs. Journal of Materials Chemistry C, 2019, 7, 13930-13938.	2.7	18
23	Enhanced Electron Transfer Mediated by Conjugated Polyelectrolyte and Its Application to Washing-Free DNA Detection. Journal of the American Chemical Society, 2018, 140, 2409-2412.	6.6	20
24	Control of electrostatic interaction between a molecular beacon aptamer and conjugated polyelectrolyte for detection range-tunable ATP assay. Polymer Chemistry, 2017, 8, 6329-6334.	1.9	5
25	An Ionic 1,4-Bis(styryl)benzene-Based Fluorescent Probe for Mercury(II) Detection in Water via Deprotection of the Thioacetal Group. Sensors, 2016, 16, 2082.	2.1	7
26	Modulation of Charge Density of Cationic Conjugated Polyelectrolytes for Improving the FRETâ€Induced Sensory Signal with Enhanced On/Off Ratio. Macromolecular Chemistry and Physics, 2016, 217, 459-466.	1.1	2
27	Enhanced Polarization Ratio of Electrospun Nanofibers with Increased Intrachain Order by Postsolvent Treatments. Journal of Physical Chemistry B, 2016, 120, 12981-12987.	1.2	6
28	A Nonconventional Approach to Patterned Nanoarrays of DNA Strands for Templateâ€Assisted Assembly of Polyfluorene Nanowires. Small, 2016, 12, 4254-4263.	5.2	13
29	Nanowires: A Nonconventional Approach to Patterned Nanoarrays of DNA Strands for Templateâ€Assisted Assembly of Polyfluorene Nanowires (Small 31/2016). Small, 2016, 12, 4160-4160.	5.2	0
30	Synthesis and Characterization of Water-Soluble Conjugated Oligoelectrolytes for Near-Infrared Fluorescence Biological Imaging. ACS Applied Materials & Interfaces, 2016, 8, 15937-15947.	4.0	29
31	Benzodithiophene-thiophene-based photovoltaic polymers with different side-chains. Journal of Polymer Science Part A, 2015, 53, 854-862.	2.5	15
32	Principal factors that determine the extension of detection range in molecular beacon aptamer/conjugated polyelectrolyte bioassays. Chemical Science, 2015, 6, 1887-1894.	3.7	11
33	Synthesis and optical properties of pH-responsive conjugated polyampholytes. Macromolecular Research, 2015, 23, 457-465.	1.0	8
34	Conjugated Polyelectrolyte and Aptamer Based Potassium Assay via Single―and Two‣tep Fluorescence Energy Transfer with a Tunable Dynamic Detection Range. Advanced Functional Materials, 2014, 24, 1748-1757.	7.8	31
35	Carbazole linked phenylquinoline-based fullerene derivatives as acceptors for bulk heterojunction polymer solar cells: effect of interfacial contacts on device performance. Journal of Materials Chemistry A, 2014, 2, 6916.	5.2	21
36	Semi-crystalline photovoltaic polymers with efficiency exceeding 9% in a â^1⁄4300 nm thick conventional single-cell device. Energy and Environmental Science, 2014, 7, 3040-3051.	15.6	600

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37	Combination of conjugated polyelectrolytes and biomolecules: A new optical platform for highly sensitive and selective chemo- and biosensors. Macromolecular Research, 2014, 22, 461-473.	1.0	11
38	The effect of hydrogen on the electric properties of amorphous InGaZnO with varying Zn content. Journal of the Korean Physical Society, 2013, 63, 209-213.	0.3	3
39	Ratiometric Fluorescent Ion Detection in Water with High Sensitivity via Aggregationâ€Mediated Fluorescence Resonance Energy Transfer Using a Conjugated Polyelectrolyte as an Optical Platform. Macromolecular Rapid Communications, 2013, 34, 772-778.	2.0	14