

# Seoung Ho Lee

## List of Publications by Year in descending order

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35  
papers

2,802  
citations

361413

20  
h-index

345221

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37  
all docs

37  
docs citations

37  
times ranked

4424  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Effect of Bulky Atom Substitution on Backbone Coplanarity and Electrical Properties of Cyclopentadithiophene-Based Semiconducting Polymers. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100709.             | 3.9  | 2         |
| 2  | A ratiometric fluorescence sensor based on enzymatically activatable micellization of TPE derivatives for quantitative detection of alkaline phosphatase activity in serum. <i>RSC Advances</i> , 2020, 10, 26888-26894. | 3.6  | 8         |
| 3  | Pyridine-Chelated Imidazo[1,5-a]Pyridine N-Heterocyclic Carbene Nickel(II) Complexes for Acrylate Synthesis from Ethylene and CO <sub>2</sub> . <i>Catalysts</i> , 2020, 10, 758.  | 3.5  | 5         |
| 4  | Micellization-induced amplified fluorescence response for highly sensitive detection of heparin in serum. <i>Scientific Reports</i> , 2020, 10, 9438.  | 3.3  | 11        |
| 5  | A micellized fluorescence sensor based on amplified quenching for highly sensitive detection of non-transferrin-bound iron in serum. <i>Dalton Transactions</i> , 2020, 49, 4660-4664.                                   | 3.3  | 9         |
| 6  | A self-assembled conjugated micelle with improved sensitivity for monitoring alkaline phosphatase activity. <i>Tetrahedron Letters</i> , 2019, 60, 2022-2025.  | 1.4  | 5         |
| 7  | Self-assembly of pyrene boronic acid-based chemodosimeters for highly efficient mercury(II) ion detection. <i>Tetrahedron Letters</i> , 2019, 60, 151048.  | 1.4  | 15        |
| 8  | Optimized phase separation in low-bandgap polymer:fullerene bulk heterojunction solar cells with criteria of solvent additives. <i>Nano Energy</i> , 2016, 30, 200-207.  | 16.0 | 18        |
| 9  | Controlling Molecular Ordering in Aqueous Conducting Polymers Using Ionic Liquids. <i>Advanced Materials</i> , 2016, 28, 8625-8631.  | 21.0 | 149       |
| 10 | Optimization of graphene oxide synthesis parameters for improving their after-reduction material performance in functional electrodes. <i>Materials Research Express</i> , 2016, 3, 105033.                              | 1.6  | 8         |
| 11 | Long-Term Stable Recombination Layer for Tandem Polymer Solar Cells Using Self-Doped Conducting Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6144-6151.  | 8.0  | 34        |
| 12 | Radical Cation-Anion Coupling-Induced Work Function Tunability in Anionic Conjugated Polyelectrolytes. <i>Advanced Energy Materials</i> , 2015, 5, 1501292.  | 19.5 | 39        |
| 13 | Highly Conductive All-Plastic Electrodes Fabricated Using a Novel Chemically Controlled Transfer-Printing Method. <i>Advanced Materials</i> , 2015, 27, 2317-2323.   | 21.0 | 239       |
| 14 | Broad Work-Function Tunability of p-Type Conjugated Polyelectrolytes for Efficient Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1401653.   | 19.5 | 59        |
| 15 | Efficient planar-heterojunction perovskite solar cells achieved via interfacial modification of a sol-gel ZnO electron collection layer. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17291-17296.                 | 10.3 | 274       |
| 16 | Highly Conductive PEDOT:PSS Nanofibrils Induced by Solution-Processed Crystallization. <i>Advanced Materials</i> , 2014, 26, 2268-2272.  | 21.0 | 856       |
| 17 | Role of the Side Chain in the Phase Segregation of Polymer:Fullerene Bulk Heterojunction Composites. <i>Advanced Energy Materials</i> , 2013, 3, 1575-1580.  | 19.5 | 25        |
| 18 | A Sensitive and Selective Mercury(II) Sensor Based on Amplified Fluorescence Quenching in a Conjugated Polyelectrolyte/Spiro-Cyclic Rhodamine System. <i>Macromolecular Rapid Communications</i> , 2013, 34, 791-795.    | 3.9  | 20        |

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|----|--|------|-----------|
| 19 | “Light Switch” Effect Upon Binding of Ru-dppz to Water-Soluble Conjugated Polyelectrolyte Dendrimers. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1707-1710.   | 4.6  | 5         |
| 20 | Conjugated Polyelectrolyte Dendrimers: Aggregation, Photophysics, and Amplified Quenching. <i>Langmuir</i> , 2012, 28, 16679-16691.  | 3.5  | 22        |
| 21 | Water-Soluble Conjugated Polyelectrolytes with Branched Polyionic Side Chains. <i>Macromolecules</i> , 2011, 44, 4742-4751.  | 4.8  | 38        |
| 22 | Energy Transfer in Extended Thienylene-Phenylene-Ethynylene Dendrimers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 15214-15220.   | 2.6  | 4         |
| 23 | Interfacial Morphology and Photoelectrochemistry of Conjugated Polyelectrolytes Adsorbed on Single Crystal TiO <sub>2</sub> . <i>Langmuir</i> , 2011, 27, 11906-11916.   | 3.5  | 11        |
| 24 | Variable-Band-Gap Poly(arylene ethynylene) Conjugated Polyelectrolytes Adsorbed on Nanocrystalline TiO <sub>2</sub> : Photocurrent Efficiency as a Function of the Band Gap. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 381-387. | 8.0  | 35        |
| 25 | A Color Version of the Hinsberg Test: 1,3,5-Triaminobenzene Indicator. <i>Chemistry - A European Journal</i> , 2007, 13, 3082-3088.  | 3.3  | 18        |
| 26 | Calix[4]crown in dual sensing functions with FRET. <i>Tetrahedron Letters</i> , 2005, 46, 8163-8167.   | 1.4  | 47        |
| 27 | Indium(III)-Induced Fluorescent Excimer Formation and Extinction in Calix[4]arene-Fluoroionophores. <i>Inorganic Chemistry</i> , 2005, 44, 7866-7875.  | 4.0  | 103       |
| 28 | Pyrene-appended calix[4]crowned logic gates involving normal and reverse PET: NOR, XNOR and INHIBIT. <i>Tetrahedron</i> , 2004, 60, 5171-5176.   | 1.9  | 56        |
| 29 | Regioselective Complexation of Metal Ion in Chromogenic Calix[4]biscrowns. <i>Journal of Organic Chemistry</i> , 2004, 69, 2902-2905.  | 3.2  | 69        |
| 30 | Silver Ion Shuttling in the Trimer-Mimic Thiocalix[4]crown Tube. <i>Journal of Organic Chemistry</i> , 2004, 69, 2877-2880.  | 3.2  | 52        |
| 31 | An Excimer-Based, Binuclear, On/Off Switchable Calix[4]crown Chemosensor. <i>Journal of the American Chemical Society</i> , 2004, 126, 16499-16506.  | 13.7 | 303       |
| 32 | Molecular Taekwondo. 2. A New Calix[4]azacrown Bearing Two Different Binding Sites as a New Fluorescent Ionophore. <i>Journal of Organic Chemistry</i> , 2003, 68, 597-600.  | 3.2  | 130       |
| 33 | Potassium ion-selective membrane electrodes based on 1,3-alternate calix[4]crown-5-azacrown-5. <i>Talanta</i> , 2003, 61, 709-716.   | 5.5  | 39        |
| 34 | UV Band Splitting of Chromogenic Azo-Coupled Calix[4]crown upon Cation Complexation. <i>Journal of Organic Chemistry</i> , 2003, 68, 1933-1937.  | 3.2  | 73        |
| 35 | Efficient Imidazolium-Biomolecule Interaction-Assisted Amplified Quenching for Ultrasensitive Detection of Heparin. <i>Chemistry - an Asian Journal</i> , 0, , .   | 3.3  | 0         |