Minah Lee

List of Publications by Citations

42 papers	4,032 citations	29 h-index	49 g-index
49 ext. papers	4,927 ext. citations	17.1 avg, IF	5.59 L-index

#	Paper	IF	Citations
42	Robust and conductive two-dimensional metal–organic frameworks with exceptionally high volumetric and areal capacitance. *Nature Energy*, **2018**, 3, 30-36	62.3	528
41	High-performance sodium–organic battery by realizing four-sodium storage in disodium rhodizonate. *Nature Energy*, **2017**, 2, 861-868	62.3	272
40	Rational design of redox mediators for advanced Li–O2 batteries. *Nature Energy*, **2016**, 1,	62.3	263
39	Stabilization of Hexaaminobenzene in a 2D Conductive Metal-Organic Framework for High Power Sodium Storage. *Journal of the American Chemical Society*, **2018**, 140, 10315-10323	16.4	234
38	Critical Role of Oxygen Evolved from Layered Li-Excess Metal Oxides in Lithium Rechargeable Batteries. *Chemistry of Materials*, **2012**, 24, 2692-2697	9.6	213
37	Mechanically tunable conductive interpenetrating network hydrogels that mimic the elastic moduli of biological tissue. *Nature Communications*, **2018**, 9, 2740	17.4	194
36	Self-assembled light-harvesting peptide nanotubes for mimicking natural photosynthesis. *Angewandte Chemie - International Edition*, **2012**, 51, 517-20	16.4	189
35	Biologically inspired pteridine redox centres for rechargeable batteries. *Nature Communications*, **2014**, 5, 5335	17.4	188
34	Organic nanohybrids for fast and sustainable energy storage. *Advanced Materials*, **2014**, 26, 2558-65	24	174
33	Carbon-based nanomaterials for tissue engineering. *Advanced Healthcare Materials*, **2013**, 2, 244-60	10.1	160
32	High Energy Organic Cathode for Sodium Rechargeable Batteries. *Chemistry of Materials*, **2015**, 27, 7258-7264	9.6	122
31	Synthetic Routes for a 2D Semiconductive Copper Hexahydroxybenzene Metal-Organic Framework. *Journal of the American Chemical Society*, **2018**, 140, 14533-14537	16.4	121
30	Designing a Quinone-Based Redox Mediator to Facilitate Li2S Oxidation in Li-S Batteries. *Joule*, **2019**, 3, 872-884	27.8	114
29	Redox cofactor from biological energy transduction as molecularly tunable energy-storage compound. *Angewandte Chemie - International Edition*, **2013**, 52, 8322-8	16.4	113
28	A Dynamic, Electrolyte-Blocking, and Single-Ion-Conductive Network for Stable Lithium-Metal Anodes. *Joule*, **2019**, 3, 2761-2776	27.8	103
27	Crosslinked Poly(tetrahydrofuran) as a Loosely Coordinating Polymer Electrolyte. *Advanced Energy Materials*, **2018**, 8, 1800703	21.8	95
26	Polydopamine as a biomimetic electron gate for artificial photosynthesis. *Angewandte Chemie - International Edition*, **2014**, 53, 6364-8	16.4	94

25	Multi-electron redox phenazine for ready-to-charge organic batteries. *Green Chemistry*, **2017**, 19, 2980-2985	9.8	84
24	An Electrochemical Gelation Method for Patterning Conductive PEDOT:PSS Hydrogels. *Advanced Materials*, **2019**, 31, e1902869	24	81
23	Mussel-inspired functionalization of carbon nanotubes for hydroxyapatite mineralization. *Journal of Materials Chemistry*, **2010**, 20, 8848		80
22	A Dual-Crosslinking Design for Resilient Lithium-Ion Conductors. *Advanced Materials*, **2018**, 30, e1804142	24	80
21	Aluminum Nanoarrays for Plasmon-Enhanced Light Harvesting. *ACS Nano*, **2015**, 9, 6206-13	16.7	70
20	Mussel-inspired plasmonic nanohybrids for light harvesting. *Advanced Materials*, **2014**, 26, 4463-8	24	60
19	Bone-like peptide/hydroxyapatite nanocomposites assembled with multi-level hierarchical structures. *Soft Matter*, **2011**, 7, 7201	3.6	57
18	Self-Assembled Light-Harvesting Peptide Nanotubes for Mimicking Natural Photosynthesis. *Angewandte Chemie*, **2012**, 124, 532-535	3.6	51
17	Zn-containing porphyrin as a biomimetic light-harvesting molecule for biocatalyzed artificial photosynthesis. *Chemical Communications*, **2011**, 47, 10227-9	5.8	51
16	Photoelectroenzymatic Oxyfunctionalization on Flavin-Hybridized Carbon Nanotube Electrode Platform. *ACS Catalysis*, **2017**, 7, 1563-1567	13.1	44
15	Molecularly Tailored Lithium-Arene Complex Enables Chemical Prelithiation of High-Capacity Lithium-Ion Battery Anodes. *Angewandte Chemie - International Edition*, **2020**, 59, 14473-14480	16.4	40
14	Biomimetic artificial photosynthesis by light-harvesting synthetic wood. *ChemSusChem*, **2011**, 4, 581-6	8.3	38
13	Weakly Solvating Solution Enables Chemical Prelithiation of Graphite-SiO Anodes for High-Energy Li-Ion Batteries. *Journal of the American Chemical Society*, **2021**, 143, 9169-9176	16.4	24
12	Redox Cofactor from Biological Energy Transduction as Molecularly Tunable Energy-Storage Compound. *Angewandte Chemie*, **2013**, 125, 8480-8486	3.6	22
11	A hematite-based photoelectrochemical platform for visible light-induced biosensing. *Journal of Materials Chemistry B*, **2015**, 3, 4483-4486	7.3	21
10	Self-adhesive graphene oxide-wrapped TiO2 nanoparticles for UV-activated colorimetric oxygen detection. *Sensors and Actuators B: Chemical*, **2015**, 213, 322-328	8.5	15
9	Polydopamine as a Biomimetic Electron Gate for Artificial Photosynthesis. *Angewandte Chemie*, **2014**, 126, 6482-6486	3.6	11
8	Molecularly Tailored Lithium-Arene Complex Enables Chemical Prelithiation of High-Capacity Lithium-Ion Battery Anodes. *Angewandte Chemie*, **2020**, 132, 14581-14588	3.6	9

7	Titelbild: Redox Cofactor from Biological Energy Transduction as Molecularly Tunable Energy-Storage Compound (Angew. Chem. 32/2013). *Angewandte Chemie*, **2013**, 125, 8329-8329	3.6	1
6	Solution Processing of Lithium-Rich Amorphous Li-La-Zr-O Ion Conductor and Its Application for Cycling Durability Improvement of LiCoO2 Cathode as Coating Layer. *Advanced Materials Interfaces*, **2021**, 8, 2001767	4.6	1
5	Nanostructures: Mussel-Inspired Plasmonic Nanohybrids for Light Harvesting (Adv. Mater. 26/2014). *Advanced Materials*, **2014**, 26, 4596-4596	24	
4	Lithium-Ion Batteries: Organic Nanohybrids for Fast and Sustainable Energy Storage (Adv. Mater. 16/2014). *Advanced Materials*, **2014**, 26, 2608-2608	24	
3	Titelbild: Self-Assembled Light-Harvesting Peptide Nanotubes for Mimicking Natural Photosynthesis (Angew. Chem. 2/2012). *Angewandte Chemie*, **2012**, 124, 285-285	3.6	
2	Innentitelbild: Polydopamine as a Biomimetic Electron Gate for Artificial Photosynthesis (Angew. Chem. 25/2014). *Angewandte Chemie*, **2014**, 126, 6396-6396	3.6	
1	Innentitelbild: Molecularly Tailored Lithium–Arene Complex Enables Chemical Prelithiation of High-Capacity Lithium-Ion Battery Anodes (Angew. Chem. 34/2020). *Angewandte Chemie*, **2020**, 132, 14270-14270	3.6	