

Minah Lee

List of Publications by Year in descending order

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38
papers

5,835
citations

147801

31
h-index

276875

41
g-index

49
all docs

49
docs citations

49
times ranked

8849
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust and conductive two-dimensional metal-organic frameworks with exceptionally high volumetric and areal capacitance. <i>Nature Energy</i> , 2018, 3, 30-36.	39.5	786
2	High-performance sodium-organic battery by realizing four-sodium storage in disodium rhodizonate. <i>Nature Energy</i> , 2017, 2, 861-868.	39.5	372
3	Stabilization of Hexaaminobenzene in a 2D Conductive Metal-Organic Framework for High Power Sodium Storage. <i>Journal of the American Chemical Society</i> , 2018, 140, 10315-10323.	13.7	351
4	Mechanically tunable conductive interpenetrating network hydrogels that mimic the elastic moduli of biological tissue. <i>Nature Communications</i> , 2018, 9, 2740.	12.8	344
5	Rational design of redox mediators for advanced Li-O ₂ batteries. <i>Nature Energy</i> , 2016, 1, .	39.5	321
6	Critical Role of Oxygen Evolved from Layered Li-Excess Metal Oxides in Lithium Rechargeable Batteries. <i>Chemistry of Materials</i> , 2012, 24, 2692-2697.	6.7	255
7	Biologically inspired pteridine redox centres for rechargeable batteries. <i>Nature Communications</i> , 2014, 5, 5335.	12.8	254
8	Self-Assembled Light-Harvesting Peptide Nanotubes for Mimicking Natural Photosynthesis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 517-520.	13.8	213
9	Organic Nanohybrids for Fast and Sustainable Energy Storage. <i>Advanced Materials</i> , 2014, 26, 2558-2565.	21.0	210
10	Carbon-Based Nanomaterials for Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2013, 2, 244-260.	7.6	202
11	Synthetic Routes for a 2D Semiconductive Copper Hexahydroxybenzene Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2018, 140, 14533-14537.	13.7	201
12	Designing a Quinone-Based Redox Mediator to Facilitate Li ₂ S Oxidation in Li-S Batteries. <i>Joule</i> , 2019, 3, 872-884.	24.0	188
13	Crosslinked Poly(tetrahydrofuran) as a Loosely Coordinating Polymer Electrolyte. <i>Advanced Energy Materials</i> , 2018, 8, 1800703.	19.5	177
14	A Dynamic, Electrolyte-Blocking, and Single-Ion-Conductive Network for Stable Lithium-Metal Anodes. <i>Joule</i> , 2019, 3, 2761-2776.	24.0	176
15	High Energy Organic Cathode for Sodium Rechargeable Batteries. <i>Chemistry of Materials</i> , 2015, 27, 7258-7264.	6.7	160
16	Redox Cofactor from Biological Energy Transduction as Molecularly Tunable Energy Storage Compound. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8322-8328.	13.8	147
17	Multi-electron redox phenazine for ready-to-charge organic batteries. <i>Green Chemistry</i> , 2017, 19, 2980-2985.	9.0	139
18	An Electrochemical Gelation Method for Patterning Conductive PEDOT:PSS Hydrogels. <i>Advanced Materials</i> , 2019, 31, e1902869.	21.0	139

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19	A Dual-Crosslinking Design for Resilient Lithium-Ion Conductors. <i>Advanced Materials</i> , 2018, 30, e1804142.	21.0	128
20	Molecularly Tailored Lithium-Arene Complex Enables Chemical Prelithiation of High-Capacity Lithium-Ion Battery Anodes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14473-14480.	13.8	127
21	Polydopamine as a Biomimetic Electron Gate for Artificial Photosynthesis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6364-6368.	13.8	113
22	Weakly Solvating Solution Enables Chemical Prelithiation of Graphite-SiO ₂ Anodes for High-Energy Li-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2021, 143, 9169-9176.	13.7	106
23	Mussel-inspired functionalization of carbon nanotubes for hydroxyapatite mineralization. <i>Journal of Materials Chemistry</i> , 2010, 20, 8848.	6.7	88
24	Aluminum Nanoarrays for Plasmon-Enhanced Light Harvesting. <i>ACS Nano</i> , 2015, 9, 6206-6213.	14.6	82
25	Mussel-Inspired Plasmonic Nanohybrids for Light Harvesting. <i>Advanced Materials</i> , 2014, 26, 4463-4468.	21.0	72
26	Bone-like peptide/hydroxyapatite nanocomposites assembled with multi-level hierarchical structures. <i>Soft Matter</i> , 2011, 7, 7201.	2.7	65
27	Zn-containing porphyrin as a biomimetic light-harvesting molecule for biocatalyzed artificial photosynthesis. <i>Chemical Communications</i> , 2011, 47, 10227.	4.1	63
28	Stimulating Cu-Zn alloying for compact Zn metal growth towards high energy aqueous batteries and hybrid supercapacitors. <i>Energy and Environmental Science</i> , 2022, 15, 2889-2899.	30.8	63
29	Photoelectroenzymatic Oxyfunctionalization on Flavin-Hybridized Carbon Nanotube Electrode Platform. <i>ACS Catalysis</i> , 2017, 7, 1563-1567.	11.2	55
30	Biomimetic Artificial Photosynthesis by Light-Harvesting Synthetic Wood. <i>ChemSusChem</i> , 2011, 4, 581-586.	6.8	45
31	A hematite-based photoelectrochemical platform for visible light-induced biosensing. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4483-4486.	5.8	24
32	Self-adhesive graphene oxide-wrapped TiO ₂ nanoparticles for UV-activated colorimetric oxygen detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 322-328.	7.8	20
33	Molecularly Tailored Lithium-Arene Complex Enables Chemical Prelithiation of High-Capacity Lithium-Ion Battery Anodes. <i>Angewandte Chemie</i> , 2020, 132, 14581-14588.	2.0	20
34	Solution Processing of Lithium-Rich Amorphous Li-La-Zr-O Ion Conductor and Its Application for Cycling Durability Improvement of LiCoO ₂ Cathode as Coating Layer. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001767.	3.7	9
35	Titelbild: Redox Cofactor from Biological Energy Transduction as Molecularly Tunable Energy-Storage Compound (<i>Angew. Chem.</i> 32/2013). <i>Angewandte Chemie</i> , 2013, 125, 8329-8329.	2.0	1
36	Nanostructures: Mussel-Inspired Plasmonic Nanohybrids for Light Harvesting (<i>Adv. Mater.</i> 26/2014). <i>Advanced Materials</i> , 2014, 26, 4596-4596.	21.0	0

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37	Lithium-ion Batteries: Organic Nanohybrids for Fast and Sustainable Energy Storage (Adv. Mater.) Tj ETQq1 1 0.784314 rgBJ /Overl	21.0	0
38	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.	2.0	0