

Cheng-Kang Mai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

1,890
citations

20
h-index

36
g-index

36
ext. papers

2,038
ext. citations

11.4
avg, IF

4.64
L-index

#	Paper	IF	Citations
34	Excited State Dynamics of a Self-Doped Conjugated Polyelectrolyte. <i>Advanced Functional Materials</i> , 2020 , 30, 1906148	15.6	12
33	Conjugated Polyelectrolytes as Efficient Hole Transport Layers in Perovskite Light-Emitting Diodes. <i>ACS Nano</i> , 2018 , 12, 5826-5833	16.7	38
32	Anaerobic Respiration on Self-Doped Conjugated Polyelectrolytes: Impact of Chemical Structure. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6519-6522	16.4	18
31	Anaerobic Respiration on Self-Doped Conjugated Polyelectrolytes: Impact of Chemical Structure. <i>Angewandte Chemie</i> , 2017 , 129, 6619-6622	3.6	8
30	Conjugated Polyelectrolyte/Graphene Hetero-Bilayer Nanocomposites Exhibit Temperature Switchable Type of Conductivity. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600515	6.4	10
29	Structural variations to a donor polymer with low energy losses. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18618-18626	13	11
28	Large-scale integration of flexible materials into rolled and corrugated thermoelectric modules. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	32
27	Optical Properties of Benzotriazole-Based Conjugated Polyelectrolytes. <i>Macromolecules</i> , 2016 , 49, 6343-6349	5.49	6
26	Ternary D1D2AD2 Structured Conjugated Polymer: Efficient Green-Solvent-Processed Polymer/Neat-C70 Solar Cells. <i>Chemistry of Materials</i> , 2016 , 28, 7479-7486	9.6	40
25	Anisotropic Thermal Transport in Thermoelectric Composites of Conjugated Polyelectrolytes/Single-Walled Carbon Nanotubes. <i>Macromolecules</i> , 2016 , 49, 4957-4963	5.5	26
24	One-pot synthesis of semicrystalline/amorphous multiblock copolymers via divinyl-terminated telechelic polyolefins. <i>Chemical Communications</i> , 2016 , 52, 2237-40	5.8	10
23	Tethered tertiary amines as solid-state n-type dopants for solution-processable organic semiconductors. <i>Chemical Science</i> , 2016 , 7, 1914-1919	9.4	71
22	Chiroptical Properties of a Benzotriazole-thiophene Copolymer Bearing Chiral Ethylhexyl Side Chains. <i>Macromolecules</i> , 2016 , 49, 9301-9308	5.5	10
21	Silicon direct bonding via low-temperature wet chemical surface activation. <i>RSC Advances</i> , 2016 , 6, 37079-37084	3.7	40
20	Effect of chiral 2-ethylhexyl side chains on chiroptical properties of the narrow bandgap conjugated polymers PCPDTBT and PCDTPT. <i>Chemical Science</i> , 2016 , 7, 5313-5321	9.4	24
19	Influence of molecular structure on the performance of low Voc loss polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15232-15239	13	12
18	Polymer homo-tandem solar cells with best efficiency of 11.3%. <i>Advanced Materials</i> , 2015 , 27, 1767-73	24	386

17	Narrow band gap conjugated polyelectrolytes for photothermal killing of bacteria. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 7340-7346	7.3	36
16	Conjugated polyelectrolyte hole transport layer for inverted-type perovskite solar cells. <i>Nature Communications</i> , 2015 , 6, 7348	17.4	248
15	Varying the ionic functionalities of conjugated polyelectrolytes leads to both p- and n-type carbon nanotube composites for flexible thermoelectrics. <i>Energy and Environmental Science</i> , 2015 , 8, 2341-2346	35.4	89
14	Electrical properties of doped conjugated polyelectrolytes with modulated density of the ionic functionalities. <i>Chemical Communications</i> , 2015 , 51, 17607-10	5.8	17
13	End-Group-Mediated Aggregation of Poly(3-hexylthiophene). <i>Macromolecules</i> , 2015 , 48, 6224-6232	5.5	14
12	Solution-processed pH-neutral conjugated polyelectrolyte improves interfacial contact in organic solar cells. <i>ACS Nano</i> , 2015 , 9, 371-7	16.7	63
11	Conductive conjugated polyelectrolyte as hole-transporting layer for organic bulk heterojunction solar cells. <i>Advanced Materials</i> , 2014 , 26, 780-5	24	174
10	Electronic properties of conjugated polyelectrolyte/single-walled carbon nanotube composites. <i>Advanced Materials</i> , 2014 , 26, 4697-703	24	10
9	High thermal stability solution-processable narrow-band gap molecular semiconductors. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16144-7	16.4	51
8	Side-chain effects on the conductivity, morphology, and thermoelectric properties of self-doped narrow-band-gap conjugated polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13478-81	16.4	147
7	Controlling the Thermoelectric Properties of Thiophene-Derived Single-Molecule Junctions. <i>Chemistry of Materials</i> , 2014 , 26, 7229-7235	9.6	48
6	Facile doping of anionic narrow-band-gap conjugated polyelectrolytes during dialysis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12874-8	16.4	108
5	Facile Doping of Anionic Narrow-Band-Gap Conjugated Polyelectrolytes During Dialysis. <i>Angewandte Chemie</i> , 2013 , 125, 13112-13116	3.6	13
4	Study on the thermal reactions of [60]fullerene with amino acids and amino acid esters. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 8720-9	3.9	22
3	Alpha-arylation of 3-aryloxindoles. <i>Organic Letters</i> , 2010 , 12, 2306-9	6.2	43
2	A Concise Formal Synthesis of Diazonamide A by the Stereoselective Construction of the C10 Quaternary Center. <i>Angewandte Chemie</i> , 2010 , 122, 2447-2450	3.6	20
1	A concise formal synthesis of diazonamide A by the stereoselective construction of the C10 quaternary center. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2397-400	16.4	63