

# Liangqi Ouyang

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,906  
citations

471509

17  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design rules for minimizing voltage losses in high-efficiency organic solar cells. <i>Nature Materials</i> , 2018, 17, 703-709.	27.5	701
2	Multifunctional Nanocomposites with High Strength and Capacitance Using 2D MXene and 1D Nanocellulose. <i>Advanced Materials</i> , 2019, 31, e1902977.	21.0	253
3	Imaging the Phase Separation Between PEDOT and Polyelectrolytes During Processing of Highly Conductive PEDOT:PSS Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 19764-19773.	8.0	185
4	Enhanced PEDOT adhesion on solid substrates with electrografted P(EDOT-NH <sub>2</sub> ). <i>Science Advances</i> , 2017, 3, e1600448.	10.3	128
5	Significant Enhancement of PEDOT Thin Film Adhesion to Inorganic Solid Substrates with EDOT-Acid. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15388-15394.	8.0	94
6	Diatom frustules protect DNA from ultraviolet light. <i>Scientific Reports</i> , 2018, 8, 5138.	3.3	64
7	Post-polymerization functionalization of poly(3,4-propylenedioxythiophene) (PProDOT) via thiol-ene click chemistry. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5028-5034.	5.8	60
8	<i>In vivo</i> polymerization of poly(3,4-ethylenedioxythiophene) in the living rat hippocampus does not cause a significant loss of performance in a delayed alternation task. <i>Journal of Neural Engineering</i> , 2014, 11, 026005.	3.5	55
9	Stiffness, strength and adhesion characterization of electrochemically deposited conjugated polymer films. <i>Acta Biomaterialia</i> , 2016, 31, 114-121.	8.3	53
10	Poly[3,4-ethylene dioxythiophene (EDOT)-co-1,3,5-tri[2-(3,4-ethylene dioxythienyl)]-benzene (EPh)] copolymers (PEDOT-co-EPh): optical, electrochemical and mechanical properties. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5010-5020.	5.8	48
11	Scalable Asymmetric Supercapacitors Based on Hybrid Organic/Biopolymer Electrodes. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700054.	5.3	35
12	From Single Molecules to Thin Film Electronics, Nanofibers, Textiles and Power Cables: Bridging Length Scales with Organic Semiconductors. <i>Advanced Materials</i> , 2019, 31, e1807286.	21.0	20
13	<i>In vivo</i> polymerization of poly(3,4-ethylenedioxythiophene) (PEDOT) in rodent cerebral cortex. , 2011, 2011, 5412-5.		19
14	DNA Based Hybrid Material for Interface Engineering in Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9579-9586.	8.0	19
15	The contraction of PEDOT films formed on a macromolecular liquid-like surface. <i>Journal of Materials Chemistry C</i> , 2018, 6, 654-660.	5.5	19
16	Relationship of Ionization Potential and Oxidation Potential of Organic Semiconductor Films Used in Photovoltaics. <i>Solar Rrl</i> , 2018, 2, 1800122.	5.8	19
17	Dedoping-induced interfacial instability of poly(ethylene imine)s-treated PEDOT:PSS as a low-work-function electrode. <i>Journal of Materials Chemistry C</i> , 2020, 8, 328-336.	5.5	19
18	Organic electrochemical transistors from supramolecular complexes of conjugated polyelectrolyte PEDOTs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2987-2993.	5.5	18

#	ARTICLE	IF	CITATIONS
19	Electrochemical Detection of Genomic DNA Utilizing Recombinase Polymerase Amplification and Stem-Loop Probe. ACS Omega, 2020, 5, 12103-12109.	3.5	17
20	Woven Electroanalytical Biosensor for Nucleic Acid Amplification Tests. Advanced Healthcare Materials, 2021, 10, e2100034.	7.6	16
21	Layer-by-Layer Assembly of Strong Thin Films with High Lithium Ion Conductance for Batteries and Beyond. Small, 2021, 17, e2100954.	10.0	15
22	POSS-ProDOT crosslinking of PEDOT. Journal of Materials Chemistry B, 2017, 5, 5019-5026.	5.8	14
23	Direct local polymerization of poly(3,4-ethylenedioxythiophene) in rat cortex. Progress in Brain Research, 2011, 194, 263-271.	1.4	12
24	Conducting Helical Structures from Celery Decorated with a Metallic Conjugated Polymer Give Resonances in the Terahertz Range. Advanced Functional Materials, 2018, 28, 1706595.	14.9	9
25	THE FABRICATION AND CHARACTERIZATION OF 3D POROUS SERICIN/FIBROIN BLENDED SCAFFOLDS. Biomedical Engineering - Applications, Basis and Communications, 2011, 23, 1-12.	0.6	8
26	Layer-by-Layer Assembly of High-Performance Electroactive Composites Using a Multiple Charged Small Molecule. Langmuir, 2019, 35, 10367-10373.	3.5	5
27	Rapid prototyping of heterostructured organic microelectronics using wax printing, filtration, and transfer. Journal of Materials Chemistry C, 2021, 9, 14596-14605.	5.5	1
28	In Situ Electrochemical Deposition of Poly(3,4-ethylenedioxythiophene) (PEDOT). Microscopy and Microanalysis, 2015, 21, 1825-1826.	0.4	0
29	Terahertz Helical Antenna Based on Celery Stalks. , 2019, , .		0