

Shofarul Wustoni

List of Publications by Year in descending order

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34
papers

1,535
citations

430874

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414414

32
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docs citations

36
times ranked

1594
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Electropolymerized Poly(3,4-ethylenedioxythiophene) Films for Oxygen Reduction Reaction. <i>Advanced Materials Technologies</i> , 2022, 7, 2100277.	5.8	7
2	Organic Bioelectronic Devices for Metabolite Sensing. <i>Chemical Reviews</i> , 2022, 122, 4581-4635.	47.7	55
3	Hydroxymethyl PEDOT microstructure-based electrodes for high-performance supercapacitors. <i>APL Materials</i> , 2022, 10, .	5.1	11
4	Pathogen and Protein Detection using Organic Electronics. , 2022, , .		0
5	Performance of PEDOTOH/PEO-based Supercapacitors in Agarose Gel Electrolyte. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	3
6	Conjugated Polymer based Electronics for Diagnostics in Physiological Media. , 2022, , .		0
7	Microfluidics integrated n-type organic electrochemical transistor for metabolite sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129251.	7.8	35
8	Microfluidic Integrated Organic Electrochemical Transistor with a Nanoporous Membrane for Amyloid- β^2 Detection. <i>ACS Nano</i> , 2021, 15, 8130-8141.	14.6	59
9	Rapid single-molecule detection of COVID-19 and MERS antigens via nanobody-functionalized organic electrochemical transistors. <i>Nature Biomedical Engineering</i> , 2021, 5, 666-677.	22.5	235
10	Integration of Organic Electrochemical Transistors with Implantable Probes. <i>Advanced Materials Technologies</i> , 2021, 6, 2100763.	5.8	16
11	Muscle Fatigue Sensor Based on Ti_3C_2Tx MXene Hydrogel. <i>Small Methods</i> , 2021, 5, e2100819.	8.6	49
12	Biofuel powered glucose detection in bodily fluids with an n-type conjugated polymer. <i>Nature Materials</i> , 2020, 19, 456-463.	27.5	187
13	In Situ Electrochemical Synthesis of a Conducting Polymer Composite for Multimetabolite Sensing. <i>Advanced Materials Technologies</i> , 2020, 5, 1900943.	5.8	39
14	A Self-standing Organic Supercapacitor to Power Bioelectronic Devices. <i>ACS Applied Energy Materials</i> , 2020, 3, 7896-7907.	5.1	24
15	Benchmarking the Performance of Electropolymerized Poly(3,4-ethylenedioxythiophene) Electrodes for Neural Interfacing. <i>Macromolecular Bioscience</i> , 2020, 20, e2000215.	4.1	15
16	Water stable molecular n-doping produces organic electrochemical transistors with high transconductance and record stability. <i>Nature Communications</i> , 2020, 11, 3004.	12.8	82
17	Balancing Ionic and Electronic Conduction for High-Performance Organic Electrochemical Transistors. <i>Advanced Functional Materials</i> , 2020, 30, 1907657.	14.9	131
18	MXene improves the stability and electrochemical performance of electropolymerized PEDOT films. <i>APL Materials</i> , 2020, 8, .	5.1	25

#	ARTICLE	IF	CITATIONS
19	Inkjet-printed Ti ₃ C ₂ MXene electrodes for multimodal cutaneous biosensing. <i>JPhys Materials</i> , 2020, 3, 044004.	4.2	30
20	Enzyme-Free Detection of Glucose with a Hybrid Conductive Gel Electrode. <i>Advanced Materials Interfaces</i> , 2019, 6, 1800928.	3.7	51
21	An organic electrochemical transistor integrated with a molecularly selective isoporous membrane for amyloid- β^2 detection. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111561.	10.1	36
22	Membrane-Free Detection of Metal Cations with an Organic Electrochemical Transistor. <i>Advanced Functional Materials</i> , 2019, 29, 1904403.	14.9	80
23	Effect of human serum on the electrical detection of amyloid- β^2 fibrils in biological environments using azo-dye immobilized field effect transistor (FET) biosensor. <i>Sensing and Bio-Sensing Research</i> , 2018, 17, 25-29.	4.2	16
24	Buffer-free integrative nanofluidic device for real-time continuous flow bioassays by ion concentration polarization. <i>Lab on A Chip</i> , 2018, 18, 574-584.	6.0	19
25	Lipid bilayer formation on organic electronic materials. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5218-5227.	5.5	12
26	A fully inkjet-printed disposable glucose sensor on paper. <i>Npj Flexible Electronics</i> , 2018, 2, .	10.7	136
27	Visualizing the Solid-Liquid Interface of Conjugated Copolymer Films Using Fluorescent Liposomes. <i>ACS Applied Bio Materials</i> , 2018, 1, 1348-1354.	4.6	12
28	Sustainable synthesis of gold nanorods assisted by cubic-shaped seeds as intermediate particles. <i>Inorganic Chemistry Communication</i> , 2018, 93, 78-82.	3.9	2
29	Ionic-to-electronic coupling efficiency in PEDOT:PSS films operated in aqueous electrolytes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12023-12030.	5.5	108
30	Conversion of protein net charge via chemical modification for highly sensitive prion detection using field effect transistor (FET) biosensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 374-379.	7.8	3
31	Label-free detection of Cu(ii) in a human serum sample by using a prion protein-immobilized FET sensor. <i>Analyst</i> , The, 2015, 140, 6485-6488.	3.5	17
32	Sensitive electrical detection of human prion proteins using field effect transistor biosensor with dual-ligand binding amplification. <i>Biosensors and Bioelectronics</i> , 2015, 67, 256-262.	10.1	28
33	Monitoring Amyloid Sup35NM Growth with Label-Free Electrical Detection Using a Field-Effect Transistor Biosensor. <i>ChemElectroChem</i> , 2014, 1, 51-54.	3.4	8
34	CONVERSION OF THE LOW QUALITY INDONESIA NATURALLY-OCCURRING MINERALS INTO SELECTIVE TYPE OF ZEOLITES BY SEED-ASSISTED SYNTHESIS METHOD. <i>Indonesian Journal of Chemistry</i> , 2013, 13, 278-282.	0.8	3