

Yijae Lee

List of Publications by Year in descending order

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18
papers

459
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional hydrogel coatings on the surface of neural cuff electrode for improving electrode-nerve tissue interfaces. <i>Acta Biomaterialia</i> , 2016, 39, 25-33.	8.3	71
2	Flexible and Highly Biocompatible Nanofiber-Based Electrodes for Neural Surface Interfacing. <i>ACS Nano</i> , 2017, 11, 2961-2971.	14.6	62
3	Sensitive and non-invasive cholesterol determination in saliva <i>via</i> optimization of enzyme loading and platinum nano-cluster composition. <i>Analyst</i> , 2020, 145, 908-916.	3.5	48
4	Amperometric sensing of hydrogen peroxide via highly roughened macroporous Gold-/Platinum nanoparticles electrode. <i>Current Applied Physics</i> , 2011, 11, 211-216.	2.4	46
5	Characterization of nerve-cuff electrode interface for biocompatible and chronic stimulating application. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 924-934.	7.8	38
6	Fully Packaged Nonenzymatic Glucose Microsensors With Nanoporous Platinum Electrodes for Anti-Fouling. <i>IEEE Sensors Journal</i> , 2008, 8, 1922-1927.	4.7	34
7	Functional nerve cuff electrode with controllable anti-inflammatory drug loading and release by biodegradable nanofibers and hydrogel deposition. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 133-141.	7.8	32
8	Enzyme-loaded paper combined impedimetric sensor for the determination of the low-level of cholesterol in saliva. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 73-81.	7.8	30
9	Enzymeless glucose sensor integrated with chronically implantable nerve cuff electrode for in-situ inflammation monitoring. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 425-432.	7.8	19
10	Biofunctionalization of Nerve Interface via Biocompatible Polymer-Roughened Pt Black on Cuff Electrode for Chronic Recording. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601022.	7.6	16
11	Highly-efficient microfluidic ultrasonic transducers assisted gDNA extraction system in whole blood for POCT applications. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128317.	7.8	13
12	A Highly Miniaturized Dissolved Oxygen Sensor Using a Nanoporous Platinum Electrode Electroplated on Silicon. <i>Journal of the Korean Physical Society</i> , 2011, 58, 1505-1510.	0.7	12
13	Biological assessments of multifunctional hydrogel-decorated implantable neural cuff electrode for clinical neurology application. <i>Scientific Reports</i> , 2017, 7, 15245.	3.3	10
14	Strong enzyme immobilization associated by anatase TiO ₂ sputtered on platinum black nanoclusters to improve sensitivity and long-term stability of electrochemical cholesterol sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129617.	7.8	10
15	Fabrication and Characterization of Macroporous Gold Hybrid Sensing Electrodes With Electroplated Platinum Nanoparticles. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 1298-1305.	2.0	8
16	Fully embedded lumped LC-quadrature hybrid coupler into organic packaging substrate for power sampling. <i>Microwave and Optical Technology Letters</i> , 2009, 51, 845-848.	1.4	6
17	Non-Invasive Ring Electrode With a Wireless Electrical Recording and Stimulating System for Monitoring Preterm Labor. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 2627-2636.	4.9	3
18	Uterosacral Nerve Stimulation via Cuff Electrode: A Preliminary Animal Study for Potential Application to Treatment of Preterm Labor. , 2018, 2018, 4186-4189.		1