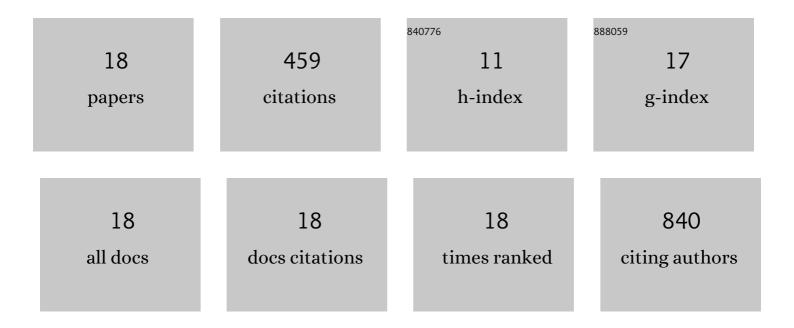
Yijae Lee

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Multifunctional hydrogel coatings on the surface of neural cuff electrode for improving electrode-nerve tissue interfaces. Acta Biomaterialia, 2016, 39, 25-33.	8.3	71
2	Flexible and Highly Biocompatible Nanofiber-Based Electrodes for Neural Surface Interfacing. ACS Nano, 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. Analyst, The, 2020, 145, 908-916.	3.5	48
4	Amperometric sensing of hydrogen peroxide via highly roughened macroporous Gold-/Platinum nanoparticles electrode. Current Applied Physics, 2011, 11, 211-216.	2.4	46
5	Characterization of nerve-cuff electrode interface for biocompatible and chronic stimulating application. Sensors and Actuators B: Chemical, 2016, 237, 924-934.	7.8	38
6	Fully Packaged Nonenzymatic Glucose Microsensors With Nanoporous Platinum Electrodes for Anti-Fouling. IEEE Sensors Journal, 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. Sensors and Actuators B: Chemical, 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. Sensors and Actuators B: Chemical, 2018, 271, 73-81.	7.8	30
9	Enzymeless glucose sensor integrated with chronically implantable nerve cuff electrode for in-situ inflammation monitoring. Sensors and Actuators B: Chemical, 2016, 222, 425-432.	7.8	19
10	Biofunctionalization of Nerve Interface via Biocompatible Polymerâ€Roughened Pt Black on Cuff Electrode for Chronic Recording. Advanced Healthcare Materials, 2017, 6, 1601022.	7.6	16
11	Highly-efficient microfluidic ultrasonic transducers assisted gDNA extraction system in whole blood for POCT applications. Sensors and Actuators B: Chemical, 2020, 319, 128317.	7.8	13
12	A Highly Miniaturized Dissolved Oxygen Sensor Using a Nanoporous Platinum Electrode Electroplated on Silicon. Journal of the Korean Physical Society, 2011, 58, 1505-1510.	0.7	12
13	Biological assessments of multifunctional hydrogel-decorated implantable neural cuff electrode for clinical neurology application. Scientific Reports, 2017, 7, 15245.	3.3	10
14	Strong enzyme immobilization associated by anatase TiO2 sputtered on platinum black nanoclusters to improve sensitivity and long-term stability of electrochemical cholesterol sensor. Sensors and Actuators B: Chemical, 2021, 334, 129617.	7.8	10
15	Fabrication and Characterization of Macroporous Gold Hybrid Sensing Electrodes With Electroplated Platinum Nanoparticles. IEEE Nanotechnology Magazine, 2011, 10, 1298-1305.	2.0	8
16	Fully embedded lumped LC-quadrature hybrid coupler into organic packaging substrate for power sampling. Microwave and Optical Technology Letters, 2009, 51, 845-848.	1.4	6
17	Non-Invasive Ring Electrode With a Wireless Electrical Recording and Stimulating System for Monitoring Preterm Labor. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 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