Jae Ho Shin

List of Publications by Year
in descending order

40 papers	2,010 citations	331670 21 h-index	289244 40 g-index
40 all docs	40 docs citations	40 times ranked	2916 citing authors

#	Article	IF	Citations
1	Efficacy of Nitric Oxide-Releasing Nanofibers in Reducing Renal Ischemia-Reperfusion Injury in a Rat Model. Annals of Transplantation, 2022, 27, e934800.	0.9	1
2	Delivery of nitric oxide-releasing silica nanoparticles for in vivo revascularization and functional recovery after acute peripheral nerve crush injury. Neural Regeneration Research, 2022, 17, 2043.	3.0	4
3	Carbon Nanotube-Based Ion-Sensitive Field-Effect Transistors with an On-Chip Reference Electrode Toward Wearable Sodium Sensing. ACS Applied Electronic Materials, 2021, 3, 2580-2588.	4.3	16
4	Non-thermal plasma promotes hair growth by improving the inter-follicular macroenvironment. RSC Advances, 2021, 11, 27880-27896.	3.6	5
5	Biodegradable hyaluronic acid-based, nitric oxide-releasing nanofibers for potential wound healing applications. Biomaterials Science, 2021, 9, 8160-8170.	5.4	13
6	Optimization of Saliva Collection and Immunochromatographic Detection of Salivary Pepsin for Point-of-Care Testing of Laryngopharyngeal Reflux. Sensors, 2020, 20, 325.	3.8	17
7	Dynamics of nitric oxide level in liquids treated with microwave plasma-generated gas and their effects on spinach development. Scientific Reports, 2019, 9, 1011.	3.3	18
8	Potential Protective Effect of Nitric Oxide-Releasing Nanofibers in Hypoxia/Reoxygenation-Induced Cardiomyocyte Injury. Journal of Nanoscience and Nanotechnology, 2019, 19, 6539-6545.	0.9	11
9	Conceptual Study for Tissue-Regenerative Biodegradable Magnesium Implant Integrated with Nitric Oxide-Releasing Nanofibers. Metals and Materials International, 2019, 25, 1098-1107.	3.4	7
10	Inactivation of Escherichia coli and Staphylococcus aureus on contaminated perilla leaves by Dielectric Barrier Discharge (DBD) plasma treatment. Archives of Biochemistry and Biophysics, 2018, 643, 32-41.	3.0	47
11	Prolonged Release Period of Nitric Oxide Gas for Treatment of Bacterial Keratitis by Amine-Rich Polymer Decoration of Nanoparticles. Chemistry of Materials, 2018, 30, 8528-8537.	6.7	44
12	S-Nitrosoglutathione loaded poly(lactic-co-glycolic acid) microparticles for prolonged nitric oxide release and enhanced healing of methicillin-resistant Staphylococcus aureus-infected wounds. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 132, 94-102.	4.3	33
13	Potential protective effects of fermented garlic extract on myocardial ischemia-reperfusion injury utilizing in vitro and ex vivo models. Journal of Functional Foods, 2017, 33, 278-285.	3.4	11
14	Unexpected catalytic behavior of core-satellite gold nanostructures towards electroreduction of oxygen. Electrochemistry Communications, 2017, 78, 1-5.	4.7	4
15	Identification and functional analysis of endogenous nitric oxide in a filamentous fungus. Scientific Reports, 2016, 6, 30037.	3.3	26
16	A review on the latest developments in nanostructure-based electrochemical sensors for glutathione. Analytical Methods, 2016, 8, 1745-1754.	2.7	36
17	Recent developments in nanostructure based electrochemical glucose sensors. Talanta, 2016, 149, 30-42.	5.5	238
18	A novel and highly sensitive electrochemical monitoring platform for 4-nitrophenol on MnO₂nanoparticles modified graphene surface. RSC Advances, 2015, 5, 88996-89002.	3.6	30

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19	Electrochemical Aptasensor of Cardiac Troponin I for the Early Diagnosis of Acute Myocardial Infarction. Analytical Chemistry, 2015, 87, 9869-9875.	6.5	202
20	Effects of prostaglandin E1 on nitric oxide and oxygen dynamics during rat myocardial ischemiaâ€“reperfusion utilizing solâ€“gel derived microsensors. Sensors and Actuators B: Chemical, 2014, 203, 245-251.	7.8	7
21	Superhydrophobic nitric oxide-releasing xerogels. Acta Biomaterialia, 2014, 10, 3442-3448.	8.3	30
22	Watching the growth of aluminum hydroxide nanoparticles from aluminum nanoparticles synthesized by pulsed laser ablation in aqueous surfactant solution. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	10
23	Simultaneous, real-time measurement of nitric oxide and oxygen dynamics during cardiac ischemiaâ€“reperfusion of the rat utilizing solâ€“gel-derived electrochemical microsensors. Analytica Chimica Acta, 2013, 802, 74-81.	5.4	13
24	Production of Size Controlled Aluminum and Alumina Nanoparticles via Pulsed Laser Ablation in Water. Journal of Nanoscience and Nanotechnology, 2012, 12, 8900-8903.	0.9	21
25	Real time measurement of myocardial oxygen dynamics during cardiac ischemiaâ€“reperfusion of rats. Analyst, The, 2012, 137, 5312.	3.5	10
26	Real time dynamics of nitric oxide during cardiac ischemia-reperfusion of the rat. Sensors and Actuators B: Chemical, 2012, 161, 480-485.	7.8	6
27	NONOatesâ€“Polyethylenimine Hydrogel for Controlled Nitric Oxide Release and Cell Proliferation Modulation. Bioconjugate Chemistry, 2011, 22, 1031-1038.	3.6	72
28	Antibacterial Fluorinated Silica Colloid Superhydrophobic Surfaces. Langmuir, 2011, 27, 9597-9601.	3.5	286
29	Inorganic/Organic Hybrid Silica Nanoparticles as a Nitric Oxide Delivery Scaffold. Chemistry of Materials, 2008, 20, 239-249.	6.7	98
30	Fluorinated Xerogel-Derived Microelectrodes for Amperometric Nitric Oxide Sensing. Analytical Chemistry, 2008, 80, 6850-6859.	6.5	91
31	Synthesis of Nitric Oxide-Releasing Silica Nanoparticles. Journal of the American Chemical Society, 2007, 129, 4612-4619.	13.7	192
32	Improving the biocompatibility of in vivo sensors via nitric oxide release. Analyst, The, 2006, 131, 609.	3.5	60
33	Solâ^'Gel Derived Amperometric Nitric Oxide Microsensor. Analytical Chemistry, 2005, 77, 3494-3501.	6.5	51
34	Characterization of Epoxy Resin-Based Anion-Responsive Polymers:Â Applicability to Chloride Sensing in Physiological Samples. Analytical Chemistry, 2004, 76, 4217-4222.	6.5	16
35	Nitric Oxide-Releasing Solâ^'Gel Particle/Polyurethane Glucose Biosensors. Analytical Chemistry, 2004, 76, 4543-4549.	6.5	68
36	A Planar Amperometric Creatinine Biosensor Employing an Insoluble Oxidizing Agent for Removing Redox-Active Interferences. Analytical Chemistry, 2001, 73, 5965-5971.	6.5	61

#	Article	IF	Citations
37	A Planar pCO2Sensor with Enhanced Electrochemical Properties. Analytical Chemistry, 2000, 72, 4468-4473.	6.5	12
38	Solvent-Processible Polymer Membrane-Based Liquid Junction-Free Reference Electrode. Analytical Chemistry, 1998, 70, 3377-3383.	6.5	69
39	Enhanced Serum Carbon Dioxide Measurements with a Silicone Rubber-Based Carbonate Ion-Selective Electrode and a High-pH Dilution Buffer. Analytical Chemistry, 1996, 68, 221-225.	6.5	39
40	ISFET-Based Differential pCO2 Sensors Employing a Low-Resistance Gas-Permeable Membrane. Analytical Chemistry, 1996, 68, 3166-3172.	6.5	35