

Jessica E Koehne

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

833
citations

933447

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h-index

839539

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21
all docs

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docs citations

21
times ranked

1229
citing authors

#	ARTICLE	IF	CITATIONS
1	Miniaturized Multiplex Label-Free Electronic Chip for Rapid Nucleic Acid Analysis Based on Carbon Nanotube Nanoelectrode Arrays. <i>Clinical Chemistry</i> , 2004, 50, 1886-1893.	3.2	157
2	Label-Free Detection of Cardiac Troponin-I Using Carbon Nanofiber Based Nanoelectrode Arrays. <i>Analytical Chemistry</i> , 2013, 85, 3858-3863.	6.5	152
3	A carbon nanofiber based biosensor for simultaneous detection of dopamine and serotonin in the presence of ascorbic acid. <i>Biosensors and Bioelectronics</i> , 2013, 42, 434-438.	10.1	123
4	Label-free detection of C-reactive protein using a carbon nanofiber based biosensor. <i>Biosensors and Bioelectronics</i> , 2014, 59, 112-119.	10.1	123
5	Carbon nanofiber electrode array for electrochemical detection of dopamine using fast scan cyclic voltammetry. <i>Analyst</i> , 2011, 136, 1802.	3.5	88
6	Multiplexed electrochemical immunosensor for label-free detection of cardiac markers using a carbon nanofiber array chip. <i>Journal of Electroanalytical Chemistry</i> , 2016, 773, 53-62.	3.8	35
7	Detection of ricin using a carbon nanofiber based biosensor. <i>Biosensors and Bioelectronics</i> , 2011, 28, 428-433.	10.1	34
8	Carbon Nanofiber Electrode for Neurochemical Monitoring. <i>Molecular Neurobiology</i> , 2013, 48, 380-385.	4.0	27
9	Nanoelectronics and nanosensors for space exploration. <i>MRS Bulletin</i> , 2015, 40, 822-828.	3.5	24
10	Carbon nanofiber electrode array for the detection of lead. <i>Electrochemistry Communications</i> , 2016, 73, 89-93.	4.7	21
11	Vertically Aligned Carbon Nanofibers: Interconnecting Solid State Electronics with Biosystems. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5038-5046.	0.9	9
12	Vertically aligned carbon nanofiber nanoelectrode arrays: electrochemical etching and electrode reusability. <i>RSC Advances</i> , 2014, 4, 22642.	3.6	9
13	Arrays of carbon nanofibers as a platform for biosensing at the molecular level and for tissue engineering and implantation. <i>Bio-Medical Materials and Engineering</i> , 2009, 19, 35-43.	0.6	8
14	Carbon nanofiber multiplexed array and wireless instantaneous neurotransmitter concentration sensor for simultaneous detection of dissolved oxygen and dopamine. <i>Biomedical Engineering Letters</i> , 2012, 2, 271-277.	4.1	8
15	Electrochemical Characterization of Vertically Aligned Carbon Nanofiber Arrays Prepared by Hole-mask Colloidal Lithography. <i>Electroanalysis</i> , 2016, 28, 3039-3047.	2.9	5
16	MEMS and Microfluidic Devices for Chemical and Biosensing. <i>Electrochemical Society Interface</i> , 2019, 28, 49-53.	0.4	4
17	Electrochemistry for Life Detection on Ocean Worlds. <i>ChemElectroChem</i> , 2020, 7, 614-623.	3.4	4
18	Carbon Nanofiber Electrode Arrays for Smart Deep Brain Stimulation: Exploring growth and new applications. <i>IEEE Nanotechnology Magazine</i> , 2016, 10, 6-11.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Electrochemical Sensors in Space Missions. <i>Electrochemical Society Interface</i> , 2020, 29, 53-57.	0.4	1
20	Future Applications: Nanotechniques. , 2012, , 263-272.		0