

Gregg P Kotchey

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,348
citations

471371

17
h-index

713332

21
g-index

21
all docs

21
docs citations

21
times ranked

3815
citing authors

#	ARTICLE	IF	CITATIONS
1	The Enzymatic Oxidation of Graphene Oxide. ACS Nano, 2011, 5, 2098-2108.	7.3	347
2	Mechanistic Investigations of Horseradish Peroxidase-Catalyzed Degradation of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 17194-17205.	6.6	280
3	Chemical Sensitivity of Graphene Edges Decorated with Metal Nanoparticles. Nano Letters, 2011, 11, 2342-2347.	4.5	177
4	Biodegradation of Single-Walled Carbon Nanotubes by Eosinophil Peroxidase. Small, 2013, 9, 2721-2729.	5.2	171
5	Adsorption of Surfactant Lipids by Single-Walled Carbon Nanotubes in Mouse Lung upon Pharyngeal Aspiration. ACS Nano, 2012, 6, 4147-4156.	7.3	170
6	Peroxidase-mediated biodegradation of carbon nanotubes in vitro and in vivo. Advanced Drug Delivery Reviews, 2013, 65, 1921-1932.	6.6	158
7	Impaired Clearance and Enhanced Pulmonary Inflammatory/Fibrotic Response to Carbon Nanotubes in Myeloperoxidase-Deficient Mice. PLoS ONE, 2012, 7, e30923.	1.1	156
8	A Natural Vanishing Act: The Enzyme-Catalyzed Degradation of Carbon Nanomaterials. Accounts of Chemical Research, 2012, 45, 1770-1781.	7.6	141
9	Lung Macrophages Digest Carbon Nanotubes Using a Superoxide/Peroxynitrite Oxidative Pathway. ACS Nano, 2014, 8, 5610-5621.	7.3	127
10	Electronic Detection of Lectins Using Carbohydrate-Functionalized Nanostructures: Graphene versus Carbon Nanotubes. ACS Nano, 2012, 6, 760-770.	7.3	112
11	Insight into the Mechanism of Graphene Oxide Degradation via the Photo-Fenton Reaction. Journal of Physical Chemistry C, 2014, 118, 10519-10529.	1.5	101
12	Graphene Oxide, But Not Fullerenes, Targets Immunoproteasomes and Suppresses Antigen Presentation by Dendritic Cells. Small, 2013, 9, 1686-1690.	5.2	75
13	Welding of Gold Nanoparticles on Graphitic Templates for Chemical Sensing. Journal of the American Chemical Society, 2012, 134, 3472-3479.	6.6	73
14	Extracellular entrapment and degradation of single-walled carbon nanotubes. Nanoscale, 2014, 6, 6974.	2.8	60
15	Enzymatic stripping and degradation of PEGylated carbon nanotubes. Nanoscale, 2014, 6, 14686-14690.	2.8	54
16	Electronic Detection of Bacteria Using Holey Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2014, 6, 3805-3810.	4.0	53
17	Effect of antioxidants on enzyme-catalysed biodegradation of carbon nanotubes. Journal of Materials Chemistry B, 2013, 1, 302-309.	2.9	50
18	Electrochemical Detection with Platinum Decorated Carbon Nanomaterials. Electroanalysis, 2011, 23, 870-877.	1.5	18

#	ARTICLE	IF	CITATIONS
19	Enzyme-Catalyzed Oxidation Facilitates the Return of Fluorescence for Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2013, 135, 13356-13364.	6.6	18
20	Carbon Nanotubes: Biodegradation of Single-Walled Carbon Nanotubes by Eosinophil Peroxidase (Small 16/2013). <i>Small</i> , 2013, 9, 2720-2720.	5.2	6
21	Detection of Lectins using Glyco-Functionalized Nanosensors. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1451, 191-196.	0.1	1