

Seung-Cheol Chang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

463
citations

686830

13
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713013

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21
all docs

21
docs citations

21
times ranked

667
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Significant roles of neuroinflammation in Parkinson's disease: therapeutic targets for PD prevention. Archives of Pharmacal Research, 2019, 42, 416-425. | 2.7 | 107 |
| 2 | An electrochemical sensor array system for the direct, simultaneous in vitro monitoring of nitric oxide and superoxide production by cultured cells. Biosensors and Bioelectronics, 2005, 21, 917-922. | 5.3 | 66 |
| 3 | One-step construction of a molybdenum disulfide/multi-walled carbon nanotubes/polypyrrole nanocomposite biosensor for the ex-vivo detection of dopamine in mouse brain tissue. Biochemical and Biophysical Research Communications, 2017, 494, 181-187. | 1.0 | 32 |
| 4 | Simultaneous intra- and extracellular superoxide monitoring using an integrated optical and electrochemical sensor system. Biochemical and Biophysical Research Communications, 2005, 327, 979-984. | 1.0 | 29 |
| 5 | De-bundled single-walled carbon nanotube-modified sensors for simultaneous differential pulse voltammetric determination of ascorbic acid, dopamine, and uric acid. New Journal of Chemistry, 2018, 42, 2432-2438. | 1.4 | 26 |
| 6 | Neuroprotective effects of MHY908, a PPAR α/β dual agonist, in a MPTP-induced Parkinson's disease model. Brain Research, 2019, 1704, 47-58. | 1.1 | 25 |
| 7 | Polymer-dispersed reduced graphene oxide nanosheets and Prussian blue modified biosensor for amperometric detection of sarcosine. Analytica Chimica Acta, 2021, 1175, 338749. | 2.6 | 25 |
| 8 | Learning, memory deficits, and impaired neuronal maturation attributed to acrylamide. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2018, 81, 254-265. | 1.1 | 20 |
| 9 | Neuroprotective and Anti-Inflammatory Effects of Evernic Acid in an MPTP-Induced Parkinson's Disease Model. International Journal of Molecular Sciences, 2021, 22, 2098. | 1.8 | 19 |
| 10 | A simple one-step electrochemical deposition of bioinspired nanocomposite for the non-enzymatic detection of dopamine. Journal of Analytical Science and Technology, 2021, 12, . | 1.0 | 18 |
| 11 | Reagentless Amperometric Pyruvate Biosensor Based on a Prussian Blue- and Enzyme Nanoparticle-Modified Screen-Printed Carbon Electrode. ACS Omega, 2020, 5, 30123-30129. | 1.6 | 16 |
| 12 | Electrochemical reactive oxygen species detection by cytochrome <i>c</i> immobilized with vertically aligned and electrochemically reduced graphene oxide on a glassy carbon electrode. Analyst, The, 2017, 142, 4544-4552. | 1.7 | 14 |
| 13 | Screen-printed carbon electrode modified with de-bundled single-walled carbon nanotubes for voltammetric determination of norepinephrine in ex vivo rat tissue. Bioelectrochemistry, 2022, 146, 108155. | 2.4 | 13 |
| 14 | Cost-Effective Electrochemical Activation of Graphitic Carbon Nitride on the Glassy Carbon Electrode Surface for Selective Determination of Serotonin. Sensors, 2020, 20, 6083. | 2.1 | 9 |
| 15 | <i>In situ</i> synthesis of copper-ruthenium bimetallic nanoparticles on laser-induced graphene as a peroxidase mimic. Chemical Communications, 2021, 57, 1947-1950. | 2.2 | 9 |
| 16 | Disposable Voltammetric Sensor Modified with Block Copolymer-Dispersed Graphene for Simultaneous Determination of Dopamine and Ascorbic Acid in Ex Vivo Mouse Brain Tissue. Biosensors, 2021, 11, 368. | 2.3 | 9 |
| 17 | A Metal-Free, Non-Enzymatic Electrochemical Glucose Sensor with a de-Bundled Single-Walled Carbon Nanotube-Modified Electrode. Bulletin of the Korean Chemical Society, 2018, 39, 141-145. | 1.0 | 8 |
| 18 | Robust Nanozyme-Enzyme Nanosheets-Based Lactate Biosensor for Diagnosing Bacterial Infection in Olive Flounder (<i>Paralichthys olivaceus</i>). Biosensors, 2021, 11, 439. | 2.3 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Anti-Inflammatory Effects of the Novel Barbiturate Derivative MHY2699 in an MPTP-Induced Mouse Model of Parkinson's Disease. <i>Antioxidants</i> , 2021, 10, 1855. | 2.2 | 5 |
| 20 | Anti-Inflammatory Effect of IKK-Activated GSK-3 ^{Î²} Inhibitory Peptide Prevented Nigrostriatal Neurodegeneration in the Rodent Model of Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 998. | 1.8 | 5 |
| 21 | Di-n-butyl phthalate disrupts neuron maturation in primary rat embryo neurons and male C57BL/6 mice. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2022, 85, 56-70. | 1.1 | 3 |