

# Seung Whan Lee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/18163/publications.pdf>

Version: 2024-02-01

13  
papers

462  
citations

933447

10  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-Transfer Reactions at the Plasma-Liquid Interface. <i>Journal of the American Chemical Society</i> , 2011, 133, 17582-17585.	13.7	141
2	Plasma-Assisted Reduction of Graphene Oxide at Low Temperature and Atmospheric Pressure for Flexible Conductor Applications. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 772-777.	4.6	122
3	Direct Writing of Metal Nanoparticles by Localized Plasma Electrochemical Reduction of Metal Cations in Polymer Films. <i>Advanced Functional Materials</i> , 2011, 21, 2155-2161.	14.9	67
4	In Situ Formation of Metal Nanoparticle Composites via Plasma Electrochemical Reduction of Metallo-supramolecular Polymer Films. <i>Macromolecules</i> , 2012, 45, 8201-8210.	4.8	33
5	The $sp^3/sp^2$ carbon ratio as a modulator of <i>in vivo</i> and <i>in vitro</i> toxicity of the chemically purified detonation-synthesized nanodiamond via the reactive oxygen species generation. <i>Nanotoxicology</i> , 2020, 14, 1213-1226.	3.0	21
6	Plasma-assisted purification of nanodiamonds and their application for direct writing of a high purity nanodiamond pattern. <i>Carbon</i> , 2017, 116, 640-647.	10.3	19
7	Fabrication of Ir nanoparticle-based biosensors by plasma electrochemical reduction for enzyme-free detection of hydrogen peroxide. <i>Catalysis Today</i> , 2013, 211, 137-142.	4.4	15
8	Extraction of a low-current discharge from a microplasma for nanoscale patterning applications at atmospheric pressure. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012, 30, 010603.	1.2	11
9	Atmospheric-pressure chemical purification of detonation-synthesized nanodiamond by using perchloric acid: Intensive parametric study to control $sp^3/sp^2$ carbon ratio. <i>Diamond and Related Materials</i> , 2018, 81, 27-32.	3.9	11
10	Plasma-assisted electrochemical synthesis of monodisperse Au and Au@Ag core-shell nanoparticles. <i>Nanotechnology</i> , 2020, 31, 165602.	2.6	7
11	Chemical purification of detonation-synthesized nanodiamond: Recycling of H <sub>2</sub> SO <sub>4</sub> and optimization of process parameters. <i>Materials Today Communications</i> , 2019, 21, 100571.	1.9	2
12	Fabrication of TiO <sub>2</sub> photocatalytic electrode and contamination control with atmospheric pressure O <sub>2</sub> plasma jet. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 797-804.	2.1	0
13	Plasma-induced reaction at plasma-liquid and plasma-polymeric film interface by AC-driven atmospheric pressure plasma. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, 032805.	1.2	0