Seong Jung Kwon

List of Publications by Year
in descending order

30	1,414	687363 13	454955 30
papers	citations	h-index	g-index

31	31	31	1739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibacterial Activity of Nanoparticles of Garlic (Allium sativum) Extract against Different Bacteria Such as Streptococcus mutans and Poryphormonas gingivalis. Applied Sciences (Switzerland), 2022, 12, 3491.	2.5	11
2	Electrochemical Detection and Analysis of Various Current Responses of a Single Ag Nanoparticle Collision in an Alkaline Electrolyte Solution. International Journal of Molecular Sciences, 2022, 23, 7472.	4.1	2
3	I³O⁰-Type 3D Framework of Cobalt Cinnamate and Its Efficient Electrocatalytic Activity toward the Oxygen Evolution Reaction. Chemistry of Materials, 2021, 33, 2804-2813.	6.7	9
4	Electrocatalytic Activity of Reduced Graphene Oxide Supported Cobalt Cinnamate for Oxygen Evolution Reaction. Energies, 2021, 14, 5020.	3.1	1
5	Vapor-phase deposition-based self-assembled monolayer for an electrochemical sensing platform. AIP Advances, 2020, 10, .	1.3	3
6	Electrochemical Immunosensor for Human IgE Using Ferrocene Self-Assembled Monolayers Modified ITO Electrode. Biosensors, 2020, 10, 38.	4.7	6
7	Magneto-Biosensor for the Detection of Uric Acid Using Citric Acid-Capped Iron Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2020, 20, 2144-2153.	0.9	10
8	An electrochemical immunosensing system on patterned electrodes for immunoglobulin E detection. Analytical Methods, 2019, 11, 4410-4415.	2.7	6
9	Sustainable ecofriendly phytoextract mediated one pot green recovery of chitosan. Scientific Reports, 2019, 9, 13832.	3.3	20
10	Observation of Single Nanoparticle Collisions with Green Synthesized Pt, Au, and Ag Nanoparticles Using Electrocatalytic Signal Amplification Method. Nanomaterials, 2019, 9, 1695.	4.1	3
11	Sol-Gel Mediated Greener Synthesis of Î³-Fe2O3 Nanostructures for the Selective and Sensitive Determination of Uric Acid and Dopamine. Catalysts, 2018, 8, 512.	3.5	19
12	Biosynthesis of Copper Oxide (CuO) Nanowires and Their Use for the Electrochemical Sensing of Dopamine. Nanomaterials, 2018, 8, 823.	4.1	163
13	Chronoamperometric Observation and Analysis of Electrocatalytic Ability of Single Pd Nanoparticle for Hydrogen Peroxide Reduction Reaction. Nanomaterials, 2018, 8, 879.	4.1	5
14	Molecularly dispersed nickel-containing species on the carbon nitride network as electrocatalysts for the oxygen evolution reaction. Carbon, 2017, 124, 180-187.	10.3	55
15	Various Current Responses of Single Silver Nanoparticle Collisions on a Gold Ultramicroelectrode Depending on the Collision Conditions. Chemistry - an Asian Journal, 2017, 12, 2434-2440.	3.3	9
16	Observation of Single Pt Nanoparticle Collisions: Enhanced Electrocatalytic Activity on a Pd Ultramicroelectrode. ChemPhysChem, 2016, 17, 1637-1641.	2.1	14
17	Direct Observation of the Collision of Single Pt Nanoparticles onto Singleâ€Crystalline Gold Nanowire Electrodes. Chemistry - an Asian Journal, 2016, 11, 2181-2187.	3.3	2
18	Observation of Blip Response in a Single Pt Nanoparticle Collision on a Cu Ultramicroelectrode. Bulletin of the Korean Chemical Society, 2016, 37, 349-354.	1.9	5

#	Article	IF	Citations
19	Detection of Single Pt Nanoparticle Collisions by Openâ€Circuit Potential Changes at Ag Ultramicroelectrode. Bulletin of the Korean Chemical Society, 2016, 37, 312-315.	1.9	1
20	Combined Blip and Staircase Response of Ascorbic Acidâ€Stabilized Copper Single Nanoparticle Collision by Electrocatalytic Glucose Oxidation. Chemistry - an Asian Journal, 2016, 11, 1338-1342.	3.3	7
21	Skeletal Octahedral Nanoframe with Cartesian Coordinates via Geometrically Precise Nanoscale Phase Segregation in a Pt@Ni Coreâ€“Shell Nanocrystal. ACS Nano, 2015, 9, 2856-2867.	14.6	176
22	Potential-Controlled Current Responses from Staircase to Blip in Single Pt Nanoparticle Collisions on a Ni Ultramicroelectrode. Journal of the American Chemical Society, 2015, 137, 1762-1765.	13.7	44
23	A Labelâ€Free Electrochemical Aptasensor for Thrombin Using a Singleâ€Wall Carbon Nanotube (SWCNT) Casted Glassy Carbon Electrode (GCE). Electroanalysis, 2014, 26, 513-520.	2.9	10
24	One-pot synthesis of a highly active, non-spherical PdPt@Pt coreâ€“shell nanospike electrocatalyst exhibiting a thin Pt shell with multiple grain boundaries. RSC Advances, 2014, 4, 46521-46526.	3.6	3
25	Twinning boundary-elongated hierarchical Pt dendrites with an axially twinned nanorod core for excellent catalytic activity. CrystEngComm, 2014, 16, 8312-8316.	2.6	13
26	Analysis of Diffusion-Controlled Stochastic Events of Iridium Oxide Single Nanoparticle Collisions by Scanning Electrochemical Microscopy. Journal of the American Chemical Society, 2012, 134, 7102-7108.	13.7	79
27	DNA Analysis by Application of Pt Nanoparticle Electrochemical Amplification with Single Label Response. Journal of the American Chemical Society, 2012, 134, 10777-10779.	13.7	178
28	Stochastic electrochemistry with electrocatalytic nanoparticles at inert ultramicroelectrodesâ€”theory and experiments. Physical Chemistry Chemical Physics, 2011, 13, 5394.	2.8	160
29	Electrochemistry of Single Nanoparticles via Electrocatalytic Amplification. Israel Journal of Chemistry, 2010, 50, 267-276.	2.3	142
30	Observing Iridium Oxide (IrO_x) Single Nanoparticle Collisions at Ultramicroelectrodes. Journal of the American Chemical Society, 2010, 132, 13165-13167.	13.7	258