

Seong Jung Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,414
citations

687363

13
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	Observing Iridium Oxide (IrO _x) Single Nanoparticle Collisions at Ultramicroelectrodes. <i>Journal of the American Chemical Society</i> , 2010, 132, 13165-13167.	13.7	258
2	DNA Analysis by Application of Pt Nanoparticle Electrochemical Amplification with Single Label Response. <i>Journal of the American Chemical Society</i> , 2012, 134, 10777-10779.	13.7	178
3	Skeletal Octahedral Nanoframe with Cartesian Coordinates <i>via</i> Geometrically Precise Nanoscale Phase Segregation in a Pt@Ni Core-Shell Nanocrystal. <i>ACS Nano</i> , 2015, 9, 2856-2867.	14.6	176
4	Biosynthesis of Copper Oxide (CuO) Nanowires and Their Use for the Electrochemical Sensing of Dopamine. <i>Nanomaterials</i> , 2018, 8, 823.	4.1	163
5	Stochastic electrochemistry with electrocatalytic nanoparticles at inert ultramicroelectrodes—theory and experiments. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5394.	2.8	160
6	Electrochemistry of Single Nanoparticles via Electrocatalytic Amplification. <i>Israel Journal of Chemistry</i> , 2010, 50, 267-276.	2.3	142
7	Analysis of Diffusion-Controlled Stochastic Events of Iridium Oxide Single Nanoparticle Collisions by Scanning Electrochemical Microscopy. <i>Journal of the American Chemical Society</i> , 2012, 134, 7102-7108.	13.7	79
8	Molecularly dispersed nickel-containing species on the carbon nitride network as electrocatalysts for the oxygen evolution reaction. <i>Carbon</i> , 2017, 124, 180-187.	10.3	55
9	Potential-Controlled Current Responses from Staircase to Blip in Single Pt Nanoparticle Collisions on a Ni Ultramicroelectrode. <i>Journal of the American Chemical Society</i> , 2015, 137, 1762-1765.	13.7	44
10	Sustainable ecofriendly phytoextract mediated one pot green recovery of chitosan. <i>Scientific Reports</i> , 2019, 9, 13832.	3.3	20
11	Sol-Gel Mediated Greener Synthesis of Fe^{3+} -Fe ₂ O ₃ Nanostructures for the Selective and Sensitive Determination of Uric Acid and Dopamine. <i>Catalysts</i> , 2018, 8, 512.	3.5	19
12	Observation of Single Pt Nanoparticle Collisions: Enhanced Electrocatalytic Activity on a Pd Ultramicroelectrode. <i>ChemPhysChem</i> , 2016, 17, 1637-1641.	2.1	14
13	Twinning boundary-elongated hierarchical Pt dendrites with an axially twinned nanorod core for excellent catalytic activity. <i>CrystEngComm</i> , 2014, 16, 8312-8316.	2.6	13
14	Antibacterial Activity of Nanoparticles of Garlic (<i>Allium sativum</i>) Extract against Different Bacteria Such as <i>Streptococcus mutans</i> and <i>Poryphomonas gingivalis</i> . <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3491.	2.5	11
15	A Label-Free Electrochemical Aptasensor for Thrombin Using a Single-Wall Carbon Nanotube (SWCNT) Casted Glassy Carbon Electrode (GCE). <i>Electroanalysis</i> , 2014, 26, 513-520.	2.9	10
16	Magneto-Biosensor for the Detection of Uric Acid Using Citric Acid-Capped Iron Oxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2144-2153.	0.9	10
17	Various Current Responses of Single Silver Nanoparticle Collisions on a Gold Ultramicroelectrode Depending on the Collision Conditions. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2434-2440.	3.3	9
18	O^{3-} -Type 3D Framework of Cobalt Cinnamate and Its Efficient Electrocatalytic Activity toward the Oxygen Evolution Reaction. <i>Chemistry of Materials</i> , 2021, 33, 2804-2813.	6.7	9

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19	Combined Blip and Staircase Response of Ascorbic Acid-Stabilized Copper Single Nanoparticle Collision by Electrocatalytic Glucose Oxidation. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1338-1342.	3.3	7
20	An electrochemical immunosensing system on patterned electrodes for immunoglobulin E detection. <i>Analytical Methods</i> , 2019, 11, 4410-4415.	2.7	6
21	Electrochemical Immunosensor for Human IgE Using Ferrocene Self-Assembled Monolayers Modified ITO Electrode. <i>Biosensors</i> , 2020, 10, 38.	4.7	6
22	Observation of Blip Response in a Single Pt Nanoparticle Collision on a Cu Ultramicroelectrode. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 349-354.	1.9	5
23	Chronoamperometric Observation and Analysis of Electrocatalytic Ability of Single Pd Nanoparticle for Hydrogen Peroxide Reduction Reaction. <i>Nanomaterials</i> , 2018, 8, 879.	4.1	5
24	One-pot synthesis of a highly active, non-spherical PdPt@Pt core-shell nanospike electrocatalyst exhibiting a thin Pt shell with multiple grain boundaries. <i>RSC Advances</i> , 2014, 4, 46521-46526.	3.6	3
25	Observation of Single Nanoparticle Collisions with Green Synthesized Pt, Au, and Ag Nanoparticles Using Electrocatalytic Signal Amplification Method. <i>Nanomaterials</i> , 2019, 9, 1695.	4.1	3
26	Vapor-phase deposition-based self-assembled monolayer for an electrochemical sensing platform. <i>AIP Advances</i> , 2020, 10, .	1.3	3
27	Direct Observation of the Collision of Single Pt Nanoparticles onto Single-Crystalline Gold Nanowire Electrodes. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2181-2187.	3.3	2
28	Electrochemical Detection and Analysis of Various Current Responses of a Single Ag Nanoparticle Collision in an Alkaline Electrolyte Solution. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7472.	4.1	2
29	Detection of Single Pt Nanoparticle Collisions by Open-Circuit Potential Changes at Ag Ultramicroelectrode. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 312-315.	1.9	1
30	Electrocatalytic Activity of Reduced Graphene Oxide Supported Cobalt Cinnamate for Oxygen Evolution Reaction. <i>Energies</i> , 2021, 14, 5020.	3.1	1