

Jun Hui Park

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

779
citations

623734

14
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

897
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Single Metal Nanoparticle Collisions by Open Circuit (Mixed) Potential Changes at an Ultramicroelectrode. <i>Journal of the American Chemical Society</i> , 2012, 134, 13212-13215.	13.7	112
2	Single Particle Detection by Area Amplification: Single Wall Carbon Nanotube Attachment to a Nanoelectrode. <i>Journal of the American Chemical Society</i> , 2013, 135, 5258-5261.	13.7	90
3	Single Collision Events of Conductive Nanoparticles Driven by Migration. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6651-6657.	3.1	64
4	Label-Free Detection of Single Living Bacteria via Electrochemical Collision Event. <i>Scientific Reports</i> , 2016, 6, 30022.	3.3	64
5	Open Circuit (Mixed) Potential Changes Upon Contact Between Different Inert Electrodes—Size and Kinetic Effects. <i>Analytical Chemistry</i> , 2013, 85, 964-970.	6.5	58
6	Pseudocapacitive slurry electrodes using redox-active quinone for high-performance flow capacitors: an atomic-level understanding of pore texture and capacitance enhancement. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23323-23332.	10.3	58
7	Characterization and electrocatalytic properties of Prussian blue electrochemically deposited on nano-Au/PAMAM dendrimer-modified gold electrode. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1519-1526.	10.1	57
8	One-Dimensional Gold Nanostructures through Directed Anisotropic Overgrowth from Gold Decahedrons. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3449-3454.	3.1	53
9	Determining mean corpuscular volume and red blood cell count using electrochemical collision events. <i>Biosensors and Bioelectronics</i> , 2018, 110, 155-159.	10.1	41
10	Detection and Study of Single Water/Oil Nanoemulsion Droplet by Electrochemical Collisions on an Ultramicroelectrode. <i>Electrochimica Acta</i> , 2017, 245, 128-132.	5.2	30
11	Aptamer-based electrochemical detection of protein using enzymatic silver deposition. <i>Electrochimica Acta</i> , 2009, 54, 6788-6791.	5.2	22
12	Electrochemical Detection of Hydrazine Using Poly(dopamine)-Modified Electrodes. <i>Sensors</i> , 2016, 16, 647.	3.8	22
13	Electrochemical detection of single attoliter aqueous droplets in electrolyte-free organic solvent via collision events. <i>Electrochimica Acta</i> , 2019, 320, 134620.	5.2	20
14	Nanosieving of Anions and Cavity-Size-Dependent Association of Cyclodextrins on a 1-Adamantanethiol Self-Assembled Monolayer. <i>ACS Nano</i> , 2010, 4, 3949-3958.	14.6	17
15	Direct Electrolysis and Detection of Single Nanosized Water Emulsion Droplets in Organic Solvent Using Stochastic Collisions. <i>Electroanalysis</i> , 2019, 31, 167-171.	2.9	15
16	In Situ Probing Liquid/Liquid Interfacial Kinetics through Single Nanodroplet Electrochemistry. <i>Analytical Chemistry</i> , 2021, 93, 16915-16921.	6.5	14
17	Ordered Polymeric Microhole Array Made by Selective Wetting and Applications for Electrochemical Microelectrode Array. <i>Langmuir</i> , 2011, 27, 8548-8553.	3.5	12
18	<i>In Situ</i> Monitoring of Collision and Recollision Events of Single Attoliter Droplets via Single-Entity Electrochemistry. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10250-10255.	4.6	7

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19	Programmable Electrochemical Rectifier Based on a Thin-Layer Cell. ACS Applied Materials & Interfaces, 2017, 9, 20955-20962.	8.0	6
20	Electrochemical detection of reduced graphene oxide nanoparticles in aqueous solution. Research on Chemical Intermediates, 2018, 44, 3753-3760.	2.7	5
21	Investigations into inward positioned 3,3'-Dihexyldithienylbenzothiadiazole (DTBTh)-Benzodithiophene (BDT) based polymer solar cells by controlling molecular weight and alkyl side chain. Organic Electronics, 2017, 42, 293-302.	2.6	4
22	Influence of an active vibration isolator and electrochemical cell design on electrochemical measurements to minimize natural convection. Electrochemistry Communications, 2017, 82, 93-97.	4.7	4
23	Synthesis and correlation between structure and photovoltaic performance of two-dimensional BDT-TPD polymers. Organic Electronics, 2016, 35, 101-111.	2.6	2
24	Soft colloidal lithography by strong physical contact using swollen magnetic microspheres and magnetic force. Electrochemistry Communications, 2013, 30, 99-102.	4.7	1
25	Synthesis of Gold Coated Magnetic Microparticles and Their Application for Electrochemical Glucose Sensing by the Enzymatically Precipitated Prussian Blue. Journal of Biomedical Nanotechnology, 2013, 9, 901-906.	1.1	1