

Jeong-Wook Oh

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,330
citations

430874

18
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

2231
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic Nanogap-Enhanced Raman Scattering with Nanoparticles. <i>Accounts of Chemical Research</i> , 2016, 49, 2746-2755.	15.6	331
2	Thiolated DNA-Based Chemistry and Control in the Structure and Optical Properties of Plasmonic Nanoparticles with Ultrasmall Interior Nanogap. <i>Journal of the American Chemical Society</i> , 2014, 136, 14052-14059.	13.7	122
3	A regenerative electrochemical sensor based on oligonucleotide for the selective determination of mercury(II). <i>Analyst</i> , 2009, 134, 1857.	3.5	120
4	Chiral gold nanoparticle-based electrochemical sensor for enantioselective recognition of 3,4-dihydroxyphenylalanine. <i>Chemical Communications</i> , 2010, 46, 5665.	4.1	95
5	Enhancement of Electrogenerated Chemiluminescence and Radical Stability by Peripheral Multidonor on Alkynylpyrene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2522-2524.	13.8	67
6	Synthesis, Optical Properties, and Multiplexed Raman Bioimaging of Surface Roughness-Controlled Nanobridged Nanogap Particles. <i>Small</i> , 2016, 12, 4726-4734.	10.0	54
7	Transformative Heterointerface Evolution and Plasmonic Tuning of Anisotropic Trimetallic Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017, 139, 10180-10183.	13.7	53
8	Electrochemical detection of nanomolar dopamine in the presence of neurophysiological concentration of ascorbic acid and uric acid using charge-coated carbon nanotubes via facile and green preparation. <i>Talanta</i> , 2016, 147, 453-459.	5.5	49
9	Massively Parallel and Highly Quantitative Single-Particle Analysis on Interactions between Nanoparticles on Supported Lipid Bilayer. <i>Journal of the American Chemical Society</i> , 2014, 136, 4081-4088.	13.7	48
10	Surface-enhanced Raman scattering-based detection of hazardous chemicals in various phases and matrices with plasmonic nanostructures. <i>Nanoscale</i> , 2019, 11, 20379-20391.	5.6	42
11	Single-Particle Analysis on Plasmonic Nanogap Systems for Quantitative SERS. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 375-385.	2.5	42
12	An electrochemically modulated single-walled carbon nanotube network for the development of a transparent flexible sensor for dopamine. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 438-447.	7.8	38
13	Multisignaling metal sensor: Optical, electrochemical, and electrochemiluminescent responses of cruciform-shaped alkynylpyrene for selective recognition of Fe ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 813-817.	7.8	37
14	Controlled Co-Assembly of Nanoparticles and Polymer into Ultralong and Continuous One-Dimensional Nanochains. <i>Journal of the American Chemical Society</i> , 2015, 137, 8030-8033.	13.7	35
15	Enhanced electrogenerated chemiluminescence of a ruthenium tris(2,2'-bipyridyl)/tripropylamine system on a boron-doped diamond nanograss array. <i>Chemical Communications</i> , 2010, 46, 5793.	4.1	30
16	Highly sensitive detection of DNA by electrogenerated chemiluminescence amplification using dendritic Ru(bpy) ₃ ²⁺ -doped silica nanoparticles. <i>Analyst</i> , 2010, 135, 603.	3.5	25
17	Associating and Dissociating Nanodimer Analysis for Quantifying Ultrasmall Amounts of DNA. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9877-9880.	13.8	22
18	Development of a Tough, Self-Healing Polyampholyte Terpolymer Hydrogel Patch with Enhanced Skin Adhesion via Tuning the Density and Strength of Ion-Pair Associations. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8889-8900.	8.0	21

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19	Fast-response light-emitting electrochemical cells based on neutral iridium(III) complex. <i>Electrochemistry Communications</i> , 2011, 13, 64-67.	4.7	17
20	Plasmonic Nanoparticle-Interfaced Lipid Bilayer Membranes. <i>Accounts of Chemical Research</i> , 2019, 52, 2793-2805.	15.6	15
21	Nontrivial, Unconventional Electrochromic Behaviors of Plasmonic Nanocubes. <i>Nano Letters</i> , 2021, 21, 7512-7518.	9.1	10
22	One-Pot Heterointerfacial Metamorphosis for Synthesis and Control of Widely Varying Heterostructured Nanoparticles. <i>Journal of the American Chemical Society</i> , 2021, 143, 3383-3392.	13.7	9
23	Electrochromic response and control of plasmonic metal nanoparticles. <i>Nanoscale</i> , 2021, 13, 9541-9552.	5.6	9
24	Direct observation and catalytic role of mediator atom in 2D materials. <i>Science Advances</i> , 2020, 6, eaba4942.	10.3	7
25	Polysorbate- and DNA-Mediated Synthesis and Strong, Stable, and Tunable Near-Infrared Photoluminescence of Plasmonic Long-Body Nanosnowmen. <i>ACS Nano</i> , 2021, 15, 19853-19863.	14.6	6
26	Immunosensor Based on Electrogenerated Chemiluminescence Using Ru(bpy) ₃ ²⁺ -Doped Silica Nanoparticles and Calix[4]crown-5 Self-Assembled Monolayers. <i>Electroanalysis</i> , 2013, 25, 1056-1063.	2.9	5
27	Statistical Modeling of Ligand-Mediated Multimeric Nanoparticle Assembly. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21195-21206.	3.1	4
28	Associating and Dissociating Nanodimer Analysis for Quantifying Ultrasmall Amounts of DNA. <i>Angewandte Chemie</i> , 2017, 129, 10009-10012.	2.0	2
29	Cover Picture: Enhancement of Electrogenerated Chemiluminescence and Radical Stability by Peripheral Multidonors on Alkynylpyrene Derivatives (<i>Angew. Chem. Int. Ed.</i> 14/2009). <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2427-2427.	13.8	1
30	Titelbild: Enhancement of Electrogenerated Chemiluminescence and Radical Stability by Peripheral Multidonors on Alkynylpyrene Derivatives (<i>Angew. Chem.</i> 14/2009). <i>Angewandte Chemie</i> , 2009, 121, 2463-2463.	2.0	0
31	Fabrication and verification of DNA functionalized nanopore with gold layer embedded structure for bio-molecular sensing. , 2011, , .		0
32	Plasmon-Enhanced Spectroscopy. , 2022, , 135-173.		0