Jeong-Wook Oh

List of Publications by Year
in descending order

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	Plasmon-Enhanced Spectroscopy. , 2022, , 135-173.		0
2	Singleâ€Particle Analysis on Plasmonic Nanogap Systems for Quantitative SERS. Journal of Raman Spectroscopy, 2021, 52, 375-385.	2.5	42
3	One-Pot Heterointerfacial Metamorphosis for Synthesis and Control of Widely Varying Heterostructured Nanoparticles. Journal of the American Chemical Society, 2021, 143, 3383-3392.	13.7	9
4	Electrochromic response and control of plasmonic metal nanoparticles. Nanoscale, 2021, 13, 9541-9552.	5.6	9
5	Nontrivial, Unconventional Electrochromic Behaviors of Plasmonic Nanocubes. Nano Letters, 2021, 21, 7512-7518.	9.1	10
6	Development of a Tough, Self-Healing Polyampholyte Terpolymer Hydrogel Patch with Enhanced Skin Adhesion via Tuning the Density and Strength of Ion-Pair Associations. ACS Applied Materials & Interfaces, 2021, 13, 8889-8900.	8.0	21
7	Polysorbate- and DNA-Mediated Synthesis and Strong, Stable, and Tunable Near-Infrared Photoluminescence of Plasmonic Long-Body Nanosnowmen. ACS Nano, 2021, 15, 19853-19863.	14.6	6
8	Direct observation and catalytic role of mediator atom in 2D materials. Science Advances, 2020, 6, eaba4942.	10.3	7
9	Statistical Modeling of Ligand-Mediated Multimeric Nanoparticle Assembly. Journal of Physical Chemistry C, 2019, 123, 21195-21206.	3.1	4
10	Plasmonic Nanoparticle-Interfaced Lipid Bilayer Membranes. Accounts of Chemical Research, 2019, 52, 2793-2805.	15.6	15
11	Surface-enhanced Raman scattering-based detection of hazardous chemicals in various phases and matrices with plasmonic nanostructures. Nanoscale, 2019, 11, 20379-20391.	5.6	42
12	An electrochemically modulated single-walled carbon nanotube network for the development of a transparent flexible sensor for dopamine. Sensors and Actuators B: Chemical, 2018, 267, 438-447.	7.8	38
13	Associating and Dissociating Nanodimer Analysis for Quantifying Ultrasmall Amounts of DNA. Angewandte Chemie - International Edition, 2017, 56, 9877-9880.	13.8	22
14	Transformative Heterointerface Evolution and Plasmonic Tuning of Anisotropic Trimetallic Nanoparticles. Journal of the American Chemical Society, 2017, 139, 10180-10183.	13.7	53
15	Associating and Dissociating Nanodimer Analysis for Quantifying Ultrasmall Amounts of DNA. Angewandte Chemie, 2017, 129, 10009-10012.	2.0	2
16	Synthesis, Optical Properties, and Multiplexed Raman Bioâ€Imaging of Surface Roughnessâ€Controlled Nanobridged Nanogap Particles. Small, 2016, 12, 4726-4734.	10.0	54
17	Plasmonic Nanogap-Enhanced Raman Scattering with Nanoparticles. Accounts of Chemical Research, 2016, 49, 2746-2755.	15.6	331
18	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. Talanta, 2016, 147, 453-459.	5.5	49

#	Article	IF	Citations
19	Controlled Co-Assembly of Nanoparticles and Polymer into Ultralong and Continuous One-Dimensional Nanochains. Journal of the American Chemical Society, 2015, 137, 8030-8033.	13.7	35
20	Thiolated DNA-Based Chemistry and Control in the Structure and Optical Properties of Plasmonic Nanoparticles with Ultrasmall Interior Nanogap. Journal of the American Chemical Society, 2014, 136, 14052-14059.	13.7	122
21	Massively Parallel and Highly Quantitative Single-Particle Analysis on Interactions between Nanoparticles on Supported Lipid Bilayer. Journal of the American Chemical Society, 2014, 136, 4081-4088.	13.7	48
22	Immunosensor Based on Electrogenerated Chemiluminescence Using Ru(bpy)₃²⁺â€Doped Silica Nanoparticles and Calix[4]crownâ€5 Selfâ€Assembled Monolayers. Electroanalysis, 2013, 25, 1056-1063.	2.9	5
23	Multisignaling metal sensor: Optical, electrochemical, and electrochemiluminescent responses of cruciform-shaped alkynylpyrene for selective recognition of Fe3+. Sensors and Actuators B: Chemical, 2013, 177, 813-817.	7.8	37
24	Fabrication and verification of DNA functionalized nanopore with gold layer embedded structure for bio-molecular sensing. , 2011, , .		0
25	Fast-response light-emitting electrochemical cells based on neutral iridium(III) complex. Electrochemistry Communications, 2011, 13, 64-67.	4.7	17
26	Chiral gold nanoparticle-based electrochemical sensor for enantioselective recognition of 3,4-dihydroxyphenylalanine. Chemical Communications, 2010, 46, 5665.	4.1	95
27	Enhanced electrogenerated chemiluminescence of a ruthenium tris(2,2â€²)bipyridyl/tripropylamine system on a boron-doped diamond nanograss array. Chemical Communications, 2010, 46, 5793.	4.1	30
28	Highly sensitive detection of DNA by electrogenerated chemiluminescence amplification using dendritic Ru(bpy)32+-doped silica nanoparticles. Analyst, The, 2010, 135, 603.	3.5	25
29	Titelbild: Enhancement of Electrogenerated Chemiluminescence and Radical Stability by Peripheral Multidonors on Alkynylpyrene Derivatives (Angew. Chem. 14/2009). Angewandte Chemie, 2009, 121, 2463-2463.	2.0	0
30	Enhancement of Electrogenerated Chemiluminescence and Radical Stability by Peripheral Multidonors on Alkynylpyrene Derivatives. Angewandte Chemie - International Edition, 2009, 48, 2522-2524.	13.8	67
31	Cover Picture: Enhancement of Electrogenerated Chemiluminescence and Radical Stability by Peripheral Multidonors on Alkynylpyrene Derivatives (Angew. Chem. Int. Ed. 14/2009). Angewandte Chemie - International Edition, 2009, 48, 2427-2427.	13.8	1
32	A regenerative electrochemical sensor based on oligonucleotide for the selective determination of mercury(ii). Analyst, The, 2009, 134, 1857.	3.5	120