

# Yeonho Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,387  
citations

361045

20  
h-index

315357

38  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3579  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantized plasmon quenching dips nanospectroscopy via plasmon resonance energy transfer. <i>Nature Methods</i> , 2007, 4, 1015-1017.	9.0	303
2	Nanowire-based single-cell endoscopy. <i>Nature Nanotechnology</i> , 2012, 7, 191-196.	15.6	290
3	Early-Stage Lung Cancer Diagnosis by Deep Learning-Based Spectroscopic Analysis of Circulating Exosomes. <i>ACS Nano</i> , 2020, 14, 5435-5444.	7.3	248
4	Selective and sensitive detection of metal ions by plasmonic resonance energy transfer-based nanospectroscopy. <i>Nature Nanotechnology</i> , 2009, 4, 742-746.	15.6	236
5	Plasmon Resonance Energy Transfer (PRET)-based Molecular Imaging of Cytochrome <i>c</i> in Living Cells. <i>Nano Letters</i> , 2009, 9, 85-90.	4.5	192
6	Exosome Classification by Pattern Analysis of Surface-Enhanced Raman Spectroscopy Data for Lung Cancer Diagnosis. <i>Analytical Chemistry</i> , 2017, 89, 6695-6701.	3.2	183
7	Correlation between Cancerous Exosomes and Protein Markers Based on Surface-Enhanced Raman Spectroscopy (SERS) and Principal Component Analysis (PCA). <i>ACS Sensors</i> , 2018, 3, 2637-2643.	4.0	139
8	Plasmonic Nanosensors: Review and Prospect. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1110-1121.	1.9	94
9	Additional amplifications of SERS via an optofluidic CD-based platform. <i>Lab on A Chip</i> , 2009, 9, 239-243.	3.1	72
10	Tumor microenvironmental cytokines bound to cancer exosomes determine uptake by cytokine receptor-expressing cells and biodistribution. <i>Nature Communications</i> , 2021, 12, 3543.	5.8	69
11	Identification of Newly Emerging Influenza Viruses by Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 11652-11659.	3.2	66
12	Recent Advances in Exosome-Based Drug Delivery for Cancer Therapy. <i>Cancers</i> , 2021, 13, 4435.	1.7	52
13	Shadow Overlap Ion-beam Lithography for Nanoarchitectures. <i>Nano Letters</i> , 2009, 9, 3726-3731.	4.5	50
14	The Effect of Thermal Gradients in SERS Spectroscopy. <i>Small</i> , 2010, 6, 2649-2652.	5.2	48
15	Identification of Newly Emerging Influenza Viruses by Detecting the Virally Infected Cells Based on Surface Enhanced Raman Spectroscopy and Principal Component Analysis. <i>Analytical Chemistry</i> , 2019, 91, 5677-5684.	3.2	47
16	Highly sensitive and selective anticancer effect by conjugated HA-cisplatin in non-small cell lung cancer overexpressed with CD44. <i>Experimental Lung Research</i> , 2014, 40, 475-484.	0.5	33
17	Three-Dimensional Reduced-Symmetry of Colloidal Plasmonic Nanoparticles. <i>Nano Letters</i> , 2012, 12, 2436-2440.	4.5	29
18	Autoenhanced Raman Spectroscopy via Plasmonic Trapping for Molecular Sensing. <i>Analytical Chemistry</i> , 2016, 88, 7633-7638.	3.2	27

#	ARTICLE	IF	CITATIONS
19	Wrapping AgCl Nanostructures with Trimetallic Nanomeshes for Plasmon-Enhanced Catalysis and in Situ SERS Monitoring of Chemical Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2842-2853.	4.0	25
20	Metal-Insulator-Metal Optical Nanoantenna with Equivalent-Circuit Analysis. <i>Advanced Materials</i> , 2010, 22, 1754-1758.	11.1	23
21	Flexible and Stable Omniphobic Surfaces Based on Biomimetic Repulsive Air-Spring Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5877-5884.	4.0	23
22	Extracellular Vesicle Identification Using Label-Free Surface-Enhanced Raman Spectroscopy: Detection and Signal Analysis Strategies. <i>Molecules</i> , 2020, 25, 5209.	1.7	21
23	Protein Quantification and Imaging by Surface-Enhanced Raman Spectroscopy and Similarity Analysis. <i>Advanced Science</i> , 2020, 7, 1903638.	5.6	16
24	Jones Matrix Microscopy for Living Eukaryotic Cells. <i>ACS Photonics</i> , 2021, 8, 3042-3050.	3.2	15
25	Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4633-4636.	7.2	12
26	Self-targeted knockdown of CD44 improves cisplatin sensitivity of chemoresistant non-small cell lung cancer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2019, 83, 399-410.	1.1	12
27	In-Plate and On-Plate Structural Control of Ultra-Stable Gold/Silver Bimetallic Nanoplates as Redox Catalysts, Nanobuilding Blocks, and Single-Nanoparticle Surface-Enhanced Raman Scattering Probes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27140-27150.	4.0	10
28	GCC2 as a New Early Diagnostic Biomarker for Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 5482.	1.7	9
29	Dynamic metallization of spherical DNA via conformational transition into gold nanostructures with controlled sizes and shapes. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 160-172.	5.0	8
30	Aqueous synthesis of highly monodisperse sub-100 nm AgCl nanospheres/cubes and their plasmonic nanomesh replicas as visible-light photocatalysts and single SERS probes. <i>Nanotechnology</i> , 2019, 30, 295604.	1.3	7
31	Red blood cell and white blood cell separation using a lateral-dimension scalable microchip based on hydraulic jump and sedimentation. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127412.	4.0	6
32	Exosome identification for personalized diagnosis and therapy. <i>Biomedical Engineering Letters</i> , 2014, 4, 258-268.	2.1	5
33	Spatio-temporally controlled transfection by quantitative injection into a single cell. <i>Biomaterials</i> , 2015, 67, 225-231.	5.7	5
34	Study of microscale hydraulic jump phenomenon for hydrodynamic trap-and-release of microparticles. <i>Applied Physics Letters</i> , 2010, 97, 154101.	1.5	3
35	Innenteilbild: Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles ( <i>Angew. Chem.</i> 20/2011). <i>Angewandte Chemie</i> , 2011, 123, 4614-4614.	1.6	2
36	Femtoliter scale quantitative injection control by experimental and theoretical modeling. <i>Biomedical Engineering Letters</i> , 2016, 6, 250-255.	2.1	2

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37	Precise nanoinjection delivery of plasmid DNA into a single fibroblast for direct conversion of astrocyte. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1114-1122.	1.9	1
38	Liquid biopsy of lung cancer by deep learning and spectroscopic analysis of circulating exosomes.. <i>Journal of Clinical Oncology</i> , 2020, 38, e15532-e15532.	0.8	1
39	Plasmonics: The Effect of Thermal Gradients in SERS Spectroscopy ( <i>Small</i> 23/2010). <i>Small</i> , 2010, 6, 2622-2622.	5.2	0
40	Inside Cover: Simultaneous Optical Monitoring of the Overgrowth Modes of Individual Asymmetric Hybrid Nanoparticles ( <i>Angew. Chem. Int. Ed.</i> 20/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4520-4520.	7.2	0
41	Special issue on nano/biotechnology. <i>Biomedical Engineering Letters</i> , 2013, 3, 199-200.	2.1	0