

Seung-min Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3412320/publications.pdf>

Version: 2024-02-01

35
papers

1,447
citations

471509

17
h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

2790
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards clinically translatable in vivo nanodiagnostics. <i>Nature Reviews Materials</i> , 2017, 2, .	48.7	255
2	A method for nanofluidic device prototyping using elastomeric collapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15549-15554.	7.1	141
3	A mountable toilet system for personalized health monitoring via the analysis of excreta. <i>Nature Biomedical Engineering</i> , 2020, 4, 624-635.	22.5	112
4	Engineered immune cells as highly sensitive cancer diagnostics. <i>Nature Biotechnology</i> , 2019, 37, 531-539.	17.5	101
5	Pref-1 Marks Very Early Mesenchymal Precursors Required for Adipose Tissue Development and Expansion. <i>Cell Reports</i> , 2014, 8, 678-687.	6.4	100
6	An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo. <i>Nature Biomedical Engineering</i> , 2018, 2, 696-705.	22.5	92
7	Molecular profiling of single circulating tumor cells from lung cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8379-E8386.	7.1	90
8	Selection and elution of aptamers using nanoporous sol-gel arrays with integrated microheaters. <i>Lab on A Chip</i> , 2009, 9, 1206.	6.0	83
9	Hemolysis-free blood plasma separation. <i>Lab on A Chip</i> , 2014, 14, 2287-2292.	6.0	74
10	Emerging ultrafast nucleic acid amplification technologies for next-generation molecular diagnostics. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111448.	10.1	61
11	Discriminating cellular heterogeneity using microwell-based RNA cytometry. <i>Nature Communications</i> , 2014, 5, 3451.	12.8	49
12	Real-time surgical margin assessment using ICG-fluorescence during laparoscopic and robot-assisted resections of colorectal liver metastases. <i>Annals of Translational Medicine</i> , 2020, 8, 1448-1448.	1.7	38
13	Deactivated CRISPR Associated Protein 9 for Minor-Allele Enrichment in Cell-Free DNA. <i>Clinical Chemistry</i> , 2018, 64, 307-316.	3.2	30
14	Dual transcript and protein quantification in a massive single cell array. <i>Lab on A Chip</i> , 2016, 16, 3682-3688.	6.0	22
15	Lateral Flow Immunoassay with Quantum-Dot-Embedded Silica Nanoparticles for Prostate-Specific Antigen Detection. <i>Nanomaterials</i> , 2022, 12, 33.	4.1	21
16	Synthesis and Application of Silica-Coated Quantum Dots in Biomedicine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10116.	4.1	19
17	Noninvasive and Highly Multiplexed Five-Color Tumor Imaging of Multicore Near-Infrared Resonant Surface-Enhanced Raman Nanoparticles <i>In Vivo</i> . <i>ACS Nano</i> , 2021, 15, 19956-19969.	14.6	19
18	Toward Integrated Molecular Diagnostic System (<math display="block">T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50 67</math> on Biomedical Engineering, 2014, 61, 1506-1521.	4.2	17

#	ARTICLE	IF	CITATIONS
19	Rapid Prototyping of Nanofluidic Systems Using Size-Reduced Electrospun Nanofibers for Biomolecular Analysis. <i>Small</i> , 2010, 6, 2420-2426.	10.0	14
20	Giant Magnetoresistive Nanosensor Analysis of Circulating Tumor DNA Epidermal Growth Factor Receptor Mutations for Diagnosis and Therapy Response Monitoring. <i>Clinical Chemistry</i> , 2021, 67, 534-542.	3.2	14
21	On-chip coupling of electrochemical pumps and an SU-8 tip for electrospray ionization mass spectrometry. <i>Biomedical Microdevices</i> , 2008, 10, 891-897.	2.8	12
22	Recent Advances in Surface-Enhanced Raman Scattering Magnetic Plasmonic Particles for Bioapplications. <i>Nanomaterials</i> , 2021, 11, 1215.	4.1	11
23	Silver-Assembled Silica Nanoparticles in Lateral Flow Immunoassay for Visual Inspection of Prostate-Specific Antigen. <i>Sensors</i> , 2021, 21, 4099.	3.8	11
24	Digital biomarkers in human excreta. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 521-522.	17.8	10
25	Smart toilets for monitoring COVID-19 surges: passive diagnostics and public health. <i>Npj Digital Medicine</i> , 2022, 5, 39.	10.9	10
26	Microfluidic encapsulated nanoelectromechanical resonators. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 1171.	1.3	8
27	High-Density Lipoprotein Nanoparticle Imaging in Atherosclerotic Vascular Disease. <i>JACC Basic To Translational Science</i> , 2017, 2, 98-100.	4.1	7
28	Overlimiting Current in Nonuniform Arrays of Microchannels: Recirculating Flow and Anticrystallization. <i>Nano Letters</i> , 2021, 21, 5438-5446.	9.1	7
29	High-throughput full-length single-cell mRNA-seq of rare cells. <i>PLoS ONE</i> , 2017, 12, e0188510.	2.5	7
30	Microfluidic Encapsulated NEMS Resonators for Sensor Applications. , 0, , .		3
31	Optical Methods in Studies of Olfactory System. , 2014, , 191-220.		2
32	Multigene profiling of single circulating tumor cells. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1289295.	0.7	1
33	Capture and Genetic Analysis of Circulating Tumor Cells Using a Magnetic Separation Device (Magnetic Sifter). <i>Methods in Molecular Biology</i> , 2017, 1634, 153-162.	0.9	1
34	DNA translocation through a periodically patterned nanoprobe. , 2013, , .		0
35	Metal Nano/Microparticles for Bioapplications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4543.	4.1	0