Hye Young Son

List of Publications by Year
in descending order

28	683	759233 12	580821 25
papers	citations	h-index	g-index

29	29	29	866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microfluidic device for one-step detection of breast cancer-derived exosomal mRNA in blood using signal-amplifiable 3D nanostructure. Biosensors and Bioelectronics, 2022, 197, 113753.	10.1	36
2	Simultaneous dual-targeted monitoring of breast cancer circulating miRNA via surface-enhanced Raman spectroscopy. Biosensors and Bioelectronics, 2022, 207, 114143.	10.1	21
3	Ligation-free isothermal nucleic acid amplification. Biosensors and Bioelectronics, 2022, 209, 114256.	10.1	5
4	Cationic poly(amino acid) surface functionalized manganese nanoparticles for nitric oxide-based immunotherapy and magnetic resonance imaging. Journal of Materials Chemistry B, 2022, 10, 5402-5409.	5.8	7
5	In vivo monitoring platform of transplanted human stem cells using magnetic resonance imaging. Biosensors and Bioelectronics, 2021, 178, 113039.	10.1	4
6	Utilization of chromogenic enzyme substrates for signal amplification in multiplexed detection of biomolecules using surface mass spectrometry. Sensors and Actuators B: Chemical, 2021, 332, 129452.	7.8	9
7	Genetic changes and growth promotion of glioblastoma by magnetic nanoparticles and a magnetic field. Nanomedicine, 2021, 16, 787-800.	3.3	1
8	Immunomagnetic microfluidic integrated system for potency-based multiple separation of heterogeneous stem cells with high throughput capabilities. Biosensors and Bioelectronics, 2021, 194, 113576.	10.1	6
9	²⁹Si Isotope-Enriched Silicon Nanoparticles for an Efficient Hyperpolarized Magnetic Resonance Imaging Probe. ACS Applied Materials & Interfaces, 2021, 13, 56923-56930.	8.0	8
10	Polyunsaturated fatty acid biosynthesis pathway determines ferroptosis sensitivity in gastric cancer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32433-32442.	7.1	200
11	Ambient carbon monoxide exposure and elevated risk of mortality in the glioblastoma patients: A doubleâ€cohort retrospective observational study. Cancer Medicine, 2020, 9, 9018-9026.	2.8	6
12	Urinary exosomal mRNA detection using novel isothermal gene amplification method based on three-way junction. Biosensors and Bioelectronics, 2020, 167, 112474.	10.1	18
13	Co-expression of cancer driver genes: IDH-wildtype glioblastoma-derived tumorspheres. Journal of Translational Medicine, 2020, 18, 482.	4.4	4
14	Deconvolution of diffuse gastric cancer and the suppression of CD34 on the BALB/c nude mice model. BMC Cancer, 2020, 20, 314.	2.6	74
15	Inner structure- and surface-controlled hollow MnO nanocubes for high sensitive MR imaging contrast effect. Nano Convergence, 2020, 7, 16.	12.1	12
16	Distinctive Nanogels as High-Efficiency Transdermal Carriers for Skin Wound Healing. Journal of Biomedical Nanotechnology, 2020, 16, 304-314.	1.1	1
17	Sensitive Plasmonic Detection of miR-10b in Biological Samples Using Enzyme-Assisted Target Recycling and Developed LSPR Probe. ACS Applied Materials & Interfaces, 2019, 11, 18923-18929.	8.0	34
18	Efficient Self-Assembled MicroRNA Delivery System Consisting of Cholesterol-Conjugated MicroRNA and PEGylated Polycationic Polymer for Tumor Treatment. ACS Applied Bio Materials, 2019, 2, 2219-2228.	4.6	5

#	Article	IF	Citations
19	TOF-SIMS analysis of an isocitrate dehydrogenase 1 mutation-associated oncometabolite in cancer cells. Biointerphases, 2018, 13, 03B404.	1.6	5
20	Discrimination of single nucleotide mismatches using a scalable, flexible, and transparent three-dimensional nanostructure-based plasmonic miRNA sensor with high sensitivity. Biosensors and Bioelectronics, 2018, 113, 39-45.	10.1	36
21	Measuring water contents in animal organ tissues using terahertz spectroscopic imaging. Biomedical Optics Express, 2018, 9, 1582.	2.9	30
22	Fluorescent nanoswitch for monitoring specific pluripotency-related microRNAs of induced pluripotent stem cells: Development of polyethyleneimine-oligonucleotide hybridization probes. Nano Research, 2017, 10, 2545-2559.	10.4	2
23	Minimum hyaluronic acid (HA) modified magnetic nanocrystals with less facilitated cancer migration and drug resistance for targeting CD44 abundant cancer cells by MR imaging. Journal of Materials Chemistry B, 2017, 5, 1400-1407.	5.8	9
24	Terahertz Reflection-Mode Biological Imaging Based on InP HBT Source and Detector. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 274-283.	3.1	27
25	Preparation of gold core-mesoporous iron-oxide shell nanoparticles and their application as dual MR/CT contrast agent in human gastric cancer cells. Journal of Industrial and Engineering Chemistry, 2017, 48, 56-65.	5.8	14
26	Stent containing CD44-targeting polymeric prodrug nanoparticles that release paclitaxel and gemcitabine in a time interval-controlled manner for synergistic human biliary cancer therapy. Journal of Materials Chemistry B, 2017, 5, 6317-6324.	5.8	5
27	Anchored protease-activatable polymersomes for molecular diagnostics of metastatic cancer cells. Journal of Materials Chemistry B, 2017, 5, 9571-9578.	5.8	14
28	Terahertz reflectometry imaging for low and high grade gliomas. Scientific Reports, 2016, 6, 36040.	3.3	90