Jae-Jong Lee

List of Publications by Year
in descending order

29	813	623734	501196
papers	citations	14 h-index	28 g-index

29	29	29	1205
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	Parametric scheme for rapid nanopattern replication via electrohydrodynamic instability. RSC Advances, 2021, 11, 18152-18161.	3.6	4
3	Fog Collection Based on Secondary Electrohydrodynamic-Induced Hybrid Structures with Anisotropic Hydrophilicity. ACS Applied Materials & Interfaces, 2021, 13, 27575-27585.	8.0	9
4	Highly Sensitive and Reliable microRNA Detection with a Recyclable Microfluidic Device and an Easily Assembled SERS Substrate. ACS Omega, 2021, 6, 19656-19664.	3.5	10
5	Hierarchically Porous, Laser-Pyrolyzed Carbon Electrode from Black Photoresist for On-Chip Microsupercapacitors. Nanomaterials, 2021, 11, 2828.	4.1	3
6	Surfactant-free galvanic replacement for synthesis of raspberry-like silver nanostructure pattern with multiple hot-spots as sensitive and reproducible SERS substrates. Applied Surface Science, 2020, 505, 144548.	6.1	18
7	Peptidoglycan-Binding Protein Metamaterials Mediated Enhanced and Selective Capturing of Gram-Positive Bacteria and Their Specific, Ultra-Sensitive, and Reproducible Detection via Surface-Enhanced Raman Scattering. ACS Sensors, 2020, 5, 3099-3108.	7.8	13
8	Selective Transfer of Light-Emitting Diodes onto a Flexible Substrate via Laser Lissajous Scanning. ACS Omega, 2020, 5, 27749-27755.	3.5	4
9	Highly Dense and Accessible Nanogaps in Auâ€“Ag Alloy Patterned Nanostructures for Surface-Enhanced Raman Spectroscopy Analysis. ACS Applied Nano Materials, 2020, 3, 5920-5927.	5.0	14
10	An electrophoretic DNA extraction device using a nanofilter for molecular diagnosis of pathogens. Nanoscale, 2020, 12, 5048-5054.	5.6	11
11	Direct electrophoretic microRNA preparation from clinical samples using nanofilter membrane. Nano Convergence, 2020, 7, 1.	12.1	62
12	Macroscopic Ag nanostructure array patterns with high-density hotspots for reliable and ultra-sensitive SERS substrates. Nano Research, 2019, 12, 2554-2558.	10.4	35
13	Formation of Interstitial Hot-Spots Using the Reduced Gap-Size between Plasmonic Microbeads Pattern for Surface-Enhanced Raman Scattering Analysis. Sensors, 2019, 19, 1046.	3.8	16
14	Highly robust, uniform and ultra-sensitive surface-enhanced Raman scattering substrates for microRNA detection fabricated by using silver nanostructures grown in gold nanobowls. Nanoscale, 2018, 10, 3680-3687.	5.6	53
15	Fabrication of Pyroleâ€Based Electrochemical Biosensor Platform Using Nanoimprint Lithography. Advanced Materials Interfaces, 2018, 5, 1701593.	3.7	16
16	High performance microsupercapacitors based on a nano-micro hierarchical carbon electrode by direct laser writing. Applied Physics Letters, 2018, 113, .	3.3	8
17	Cuvette-based microfluidic device integrated with nanostructures for measuring dual Localized Surface Plasmon Resonance (LSPR) signals. Review of Scientific Instruments, 2018, 89, 113107.	1.3	2
18	Facile laser fabrication of high quality graphene-based microsupercapacitors with large capacitance. Carbon, 2018, 137, 136-145.	10.3	29

#	Article	IF	Citations
19	The role of hydrophobic silane coating on Si stamps in nanoimprint lithography. Journal of Applied Physics, 2017, 121, 044909.	2.5	8
20	An innovative scheme for sub-50 nm patterning via electrohydrodynamic lithography. Nanoscale, 2017, 9, 11881-11887.	5.6	10
21	Laser-assisted selective lithography of reduced graphene oxide for fabrication of graphene-based out-of-plane tandem microsupercapacitors with large capacitance. Applied Physics Letters, 2017, 111, .	3.3	6
22	Fabrication of a nano-scale pattern with various functional materials using electrohydrodynamic lithography and functionalization. RSC Advances, 2016, 6, 5944-5948.	3.6	9
23	A Simulation Study on the Effect of Cross-Linking Agent Concentration for Defect Tolerant Demolding in UV Nanoimprint Lithography. Langmuir, 2012, 28, 11546-11554.	3.5	25
24	Highly Sensitive Biosensing Using Arrays of Plasmonic Au Nanodisks Realized by Nanoimprint Lithography. ACS Nano, 2011, 5, 897-904.	14.6	265
25	Surface adhesion and demolding force dependence on resist composition in ultraviolet nanoimprint lithography. Applied Surface Science, 2011, 258, 1272-1278.	6.1	44
26	Soft UV-nanoimprint lithography on non-planar surfaces. Microelectronic Engineering, 2011, 88, 3287-3292.	2.4	26
27	Polymerization shrinkage stress measurement for a UV-curable resist in nanoimprint lithography. Journal of Micromechanics and Microengineering, 2011, 21, 115013.	2.6	19
28	Adhesion force measurement between the stamp and the resin in ultraviolet nanoimprint lithographyâ€"an investigative approach. Nanotechnology, 2009, 20, 055704.	2.6	32
29	Demolding temperature in thermal nanoimprint lithography. Applied Physics A: Materials Science and Processing, 2009, 97, 395-402.	2.3	26