

Seung-Kon Lee

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

757
citations

516710

16
h-index

552781

26
g-index

32
all docs

32
docs citations

32
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoresponsive Hydrogel Photonic Crystals by Three-Dimensional Holographic Lithography. <i>Advanced Materials</i> , 2008, 20, 3061-3065.	21.0	98
2	Designed pneumatic valve actuators for controlled droplet breakup and generation. <i>Lab on A Chip</i> , 2010, 10, 456.	6.0	68
3	Holographic fabrication of three-dimensional nanostructures for microfluidic passive mixing. <i>Lab on A Chip</i> , 2009, 9, 3144.	6.0	66
4	Bioinspired Holographically Featured Superhydrophobic and Supersticky Nanostructured Materials. <i>Langmuir</i> , 2010, 26, 1468-1472.	3.5	58
5	High-speed fabrication of patterned colloidal photonic structures in centrifugal microfluidic chips. <i>Lab on A Chip</i> , 2006, 6, 1171.	6.0	57
6	Holographic fabrication of photonic nanostructures for optofluidic integration. <i>Lab on A Chip</i> , 2008, 8, 388.	6.0	54
7	One-step continuous synthesis of biocompatible gold nanorods for optical coherence tomography. <i>Chemical Communications</i> , 2012, 48, 6654.	4.1	47
8	Synthesis, assembly and reaction of a nanocatalyst in microfluidic systems: a general platform. <i>Lab on A Chip</i> , 2012, 12, 4080.	6.0	45
9	Optofluidic integration of a photonic crystal nanolaser. <i>Optics Express</i> , 2008, 16, 6515.	3.4	35
10	Biofunctional colloids and their assemblies. <i>Soft Matter</i> , 2010, 6, 1092.	2.7	32
11	Optofluidics technology based on colloids and their assemblies. <i>Microfluidics and Nanofluidics</i> , 2008, 4, 129-144.	2.2	27
12	Patterned polymer photonic crystals using soft lithography and holographic lithography. <i>Synthetic Metals</i> , 2005, 148, 99-102.	3.9	26
13	Development of Industrial-Scale Fission ⁹⁹ Mo Production Process Using Low Enriched Uranium Target. <i>Nuclear Engineering and Technology</i> , 2016, 48, 613-623.	2.3	26
14	Engineering the synthesis of silica-gold nano-urchin particles using continuous synthesis. <i>Nanoscale</i> , 2014, 6, 13228-13235.	5.6	25
15	Development of Reflective Biosensor Using Fabrication of Functionalized Photonic Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 632-637.	0.9	24
16	Holographic Fabrication of Microstructures with Internal Nanopatterns Using Microprism Arrays. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7000-7005.	13.8	16
17	High Throughput Synthesis of Uniform Biocompatible Polymer Beads with High Quantum Dot Loading Using Microfluidic Jet-Mode Breakup. <i>Langmuir</i> , 2014, 30, 2216-2222.	3.5	15
18	Development of silver nanoparticle-doped adsorbents for the separation and recovery of radioactive iodine from alkaline solutions. <i>Applied Radiation and Isotopes</i> , 2017, 129, 215-221.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Development of fission ⁹⁹ Mo production process using HANARO. Nuclear Engineering and Technology, 2020, 52, 1517-1523.	2.3	7
20	Hierarchically Ordered Structures by Converging Holographic Lithography and Surfactant Templating. Chemistry of Materials, 2010, 22, 4117-4119.	6.7	6
21	Development of novel lab-on-a-chip platform for high-throughput radioimmunoassay. Applied Radiation and Isotopes, 2021, 168, 109526.	1.5	4
22	Holographic fabrication of photonic nanostructures for optofluidic integration. Proceedings of SPIE, 2007, , .	0.8	1
23	Microfluidic channel with built-in photonic crystal nanolaser. Proceedings of SPIE, 2007, , .	0.8	1
24	Ultrasound-enhanced scintillation proximity assay for rapid diagnostics. Analytical Biochemistry, 2019, 570, 51-55.	2.4	1
25	Selective Adsorption of Ba ²⁺ Using Chemically Modified Alginate Beads with Enhanced Ba ²⁺ Affinity and its Application to ¹³¹ Cs Production. Nuclear Engineering and Technology, 2022, , .	2.3	1
26	High-speed fabrication of patterned colloidal photonic structures in centrifugal microfluidic chips. , 2006, , .		0
27	Photonic-crystal-based centrifugal microfluidic biosensors. , 2006, , .		0
28	Holographic fabrication of hierarchical nanostructures using microprism array toward optofluidic integration. , 2008, , .		0
29	On-demand Microfluidic Manipulation of Thermally Stable Water-in-Perfluorocarbon Emulsions. Macromolecular Research, 2018, 26, 1160-1166.	2.4	0
30	Optofluidic Fabrication of Functional Particles with Controlled Sizes, Shapes and Structures. , 2009, , .		0
31	Nanoscale Optofluidic Characterization Techniques. , 2014, , 1-12.		0