

# 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	Selective Adsorption of Ba <sup>2+</sup> Using Chemically Modified Alginate Beads with Enhanced Ba <sup>2+</sup> Affinity and its Application to <sup>131</sup> Cs Production. Nuclear Engineering and Technology, 2022, , .	2.3	1
2	Development of novel lab-on-a-chip platform for high-throughput radioimmunoassay. Applied Radiation and Isotopes, 2021, 168, 109526.	1.5	4
3	Development of fission <sup>99</sup> Mo production process using HANARO. Nuclear Engineering and Technology, 2020, 52, 1517-1523.	2.3	7
4	Ultrasound-enhanced scintillation proximity assay for rapid diagnostics. Analytical Biochemistry, 2019, 570, 51-55.	2.4	1
5	On-demand Microfluidic Manipulation of Thermally Stable Water-in-Perfluorocarbon Emulsions. Macromolecular Research, 2018, 26, 1160-1166.	2.4	0
6	Development of silver nanoparticle- <sup>109</sup> Ag-doped adsorbents for the separation and recovery of radioactive iodine from alkaline solutions. Applied Radiation and Isotopes, 2017, 129, 215-221.	1.5	15
7	Development of Industrial-Scale Fission <sup>99</sup> Mo Production Process Using Low Enriched Uranium Target. Nuclear Engineering and Technology, 2016, 48, 613-623.	2.3	26
8	Engineering the synthesis of silica- <sup>109</sup> Ag-gold nano-urchin particles using continuous synthesis. Nanoscale, 2014, 6, 13228-13235.	5.6	25
9	High Throughput Synthesis of Uniform Biocompatible Polymer Beads with High Quantum Dot Loading Using Microfluidic Jet-Mode Breakup. Langmuir, 2014, 30, 2216-2222.	3.5	15
10	Nanoscale Optofluidic Characterization Techniques. , 2014, , 1-12.		0
11	One-step continuous synthesis of biocompatible gold nanorods for optical coherence tomography. Chemical Communications, 2012, 48, 6654.	4.1	47
12	Synthesis, assembly and reaction of a nanocatalyst in microfluidic systems: a general platform. Lab on A Chip, 2012, 12, 4080.	6.0	45
13	Development of Reflective Biosensor Using Fabrication of Functionalized Photonic Nanocrystals. Journal of Nanoscience and Nanotechnology, 2011, 11, 632-637.	0.9	24
14	Designed pneumatic valve actuators for controlled droplet breakup and generation. Lab on A Chip, 2010, 10, 456.	6.0	68
15	Hierarchically Ordered Structures by Converging Holographic Lithography and Surfactant Templating. Chemistry of Materials, 2010, 22, 4117-4119.	6.7	6
16	Bioinspired Holographically Featured Superhydrophobic and Supersticky Nanostructured Materials. Langmuir, 2010, 26, 1468-1472.	3.5	58
17	Biofunctional colloids and their assemblies. Soft Matter, 2010, 6, 1092.	2.7	32
18	Holographic Fabrication of Microstructures with Internal Nanopatterns Using Microprism Arrays. Angewandte Chemie - International Edition, 2009, 48, 7000-7005.	13.8	16

#	ARTICLE	IF	CITATIONS
19	Holographic fabrication of three-dimensional nanostructures for microfluidic passive mixing. Lab on A Chip, 2009, 9, 3144.	6.0	66
20	Optofluidic Fabrication of Functional Particles with Controlled Sizes, Shapes and Structures. , 2009, , .		0
21	Optofluidics technology based on colloids and their assemblies. Microfluidics and Nanofluidics, 2008, 4, 129-144.	2.2	27
22	Thermoresponsive Hydrogel Photonic Crystals by Three-dimensional Holographic Lithography. Advanced Materials, 2008, 20, 3061-3065.	21.0	98
23	Optofluidic integration of a photonic crystal nanolaser. Optics Express, 2008, 16, 6515.	3.4	35
24	Holographic fabrication of photonic nanostructures for optofluidic integration. Lab on A Chip, 2008, 8, 388.	6.0	54
25	Holographic fabrication of hierarchical nanostructures using microprism array toward optofluidic integration. , 2008, , .		0
26	Holographic fabrication of photonic nanostructures for optofluidic integration. Proceedings of SPIE, 2007, , .	0.8	1
27	Microfluidic channel with built-in photonic crystal nanolaser. Proceedings of SPIE, 2007, , .	0.8	1
28	High-speed fabrication of patterned colloidal photonic structures in centrifugal microfluidic chips. Lab on A Chip, 2006, 6, 1171.	6.0	57
29	High-speed fabrication of patterned colloidal photonic structures in centrifugal microfluidic chips. , 2006, , .		0
30	Photonic-crystal-based centrifugal microfluidic biosensors. , 2006, , .		0
31	Patterned polymer photonic crystals using soft lithography and holographic lithography. Synthetic Metals, 2005, 148, 99-102.	3.9	26