

Hak-Jong Choi

List of Publications by Year in descending order

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27
papers

661
citations

623734

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docs citations

27
times ranked

1155
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A review on the fabrication and applications of sub-wavelength anti-reflective surfaces based on biomimetics. Applied Spectroscopy Reviews, 2019, 54, 719-735.	6.7	16
3	Selectively patterned TiO ₂ nanorods as electron transport pathway for high performance perovskite solar cells. Nano Research, 2019, 12, 601-606.	10.4	14
4	Realization of Wafer-Scale Hyperlens Device for Sub-diffractive Biomolecular Imaging. ACS Photonics, 2018, 5, 2549-2554.	6.6	50
5	Pyramidal Metal-organic dielectric hybrid-structure geometry with an asymmetric TiO ₂ layer for broadband light absorption and photocatalytic applications. Nano Energy, 2018, 53, 468-474.	16.0	5
6	Spontaneous Registration of Sub-10 nm Features Based on Subzero Celsius Spin-Casting of Self-Assembling Building Blocks Directed by Chemically Encoded Surfaces. ACS Nano, 2018, 12, 8224-8233.	14.6	6
7	Analysis of long-term monitoring data of PV module with SiO _x -based anti-reflective patterned protective glass. Solar Energy Materials and Solar Cells, 2017, 170, 33-38.	6.2	17
8	Enhancement of light extraction efficiency for GaN-based light emitting diodes using ZrO ₂ high-aspect-ratio pattern as scattering layer. Ceramics International, 2017, 43, S609-S612.	4.8	5
9	Metal-organic Framework-Templated PdO-Co ₃ O ₄ Nanocubes Functionalized by SWCNTs: Improved NO ₂ Reaction Kinetics on Flexible Heating Film. ACS Applied Materials & Interfaces, 2017, 9, 40593-40603.	8.0	55
10	A transparent embedded Cu/Au-nanomesh electrode on flexible polymer film substrates. RSC Advances, 2016, 6, 92970-92974.	3.6	8
11	Fabrication of a transparent conducting Ni-nanomesh-embedded film using template-assisted Ni electrodeposition and hot transfer process. RSC Advances, 2016, 6, 81814-81817.	3.6	3
12	Hierarchical ZnO Nanowires-loaded Sb-doped SnO ₂ -ZnO Micrograting Pattern via Direct Imprinting-assisted Hydrothermal Growth and Its Selective Detection of Acetone Molecules. Scientific Reports, 2016, 6, 18731.	3.3	32
13	Direct patterning process for tungsten trioxide nano-to-micro structures. Applied Spectroscopy Reviews, 2016, 51, 582-591.	6.7	4
14	Two-dimensional metal-dielectric hybrid-structured film with titanium oxide for enhanced visible light absorption and photo-catalytic application. Nano Energy, 2016, 21, 115-122.	16.0	21
15	Fabrication of SnO ₂ Nano-to-Microscale Structures from SnO ₂ -Nanoparticle-Dispersed Resin via Thermal Nanoimprint Lithography. Journal of Nanoscience and Nanotechnology, 2016, 16, 11308-11312.	0.9	1
16	Uniformly embedded silver nanomesh as highly bendable transparent conducting electrode. Nanotechnology, 2015, 26, 055305.	2.6	40
17	Fabrication of rigid stamp on a cylindrical substrate using hydrogen silsesquioxane/ZrO ₂ nanoparticle composite material for roll-to-roll nanoimprinting process. Journal of Sol-Gel Science and Technology, 2015, 73, 628-633.	2.4	3
18	Fabrication of superhydrophobic surfaces with nano-in-micro structures using UV-nanoimprint lithography and thermal shrinkage films. Applied Surface Science, 2015, 349, 169-173.	6.1	70

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19	Water-collecting behavior of nanostructured surfaces with special wettability. <i>Applied Surface Science</i> , 2015, 324, 563-568.	6.1	47
20	Improved conversion efficiency of amorphous Si solar cells using a mesoporous ZnO pattern. <i>Nanoscale Research Letters</i> , 2014, 9, 486.	5.7	5
21	Nanosized patterned protective glass exhibiting high transmittance and self-cleaning effects for photovoltaic systems. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1822-1827.	1.8	14
22	Fabrication of functional nanosized patterns with UV-curable polysilsesquioxane on photovoltaic protective glass substrates using hybrid nano-imprint lithography. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5864-5869.	5.5	17
23	Fabrication of transparent and flexible Ag three-dimensional mesh electrode by thermal roll-to-roll imprint lithography. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	7
24	Replication of rose-petal surface structure using UV-nanoimprint lithography. <i>Materials Letters</i> , 2014, 121, 170-173.	2.6	51
25	Fabrication of a roll imprint stamp using zirconia for the UV roll imprinting process. <i>RSC Advances</i> , 2014, 4, 52620-52623.	3.6	3
26	Fabrication of Superhydrophobic and Oleophobic Surfaces with Overhang Structure by Reverse Nanoimprint Lithography. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24354-24359.	3.1	140
27	A tunable method for nonwetting surfaces based on nanoimprint lithography and hydrothermal growth. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8417.	10.3	17