

Chul-Joon Heo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9118983/publications.pdf>

Version: 2024-02-01

35
papers

1,811
citations

394421

19
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

2798
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | High Speed Response Organic Photodetectors with Cascade Buffer Layers. <i>Advanced Electronic Materials</i> , 2022, 8, 2100539. | 5.1 | 3 |
| 2 | High Speed Response Organic Photodetectors with Cascade Buffer Layers (<i>Adv. Electron. Mater.</i>) Tj ETQq0 0 0 rgBTj Overlock 10 Tf 50 7 | 5.1 | 0 |
| 3 | Identifying the Molecular Origins of High-Performance in Organic Photodetectors Based on Highly Intermixed Bulk Heterojunction Blends. <i>ACS Nano</i> , 2021, 15, 1217-1228. | 14.6 | 19 |
| 4 | Highly durable organic photodetector for complementary metal oxide semiconductor image sensors. <i>Organic Electronics</i> , 2021, 95, 106154. | 2.6 | 8 |
| 5 | Green-Light-Selective Organic Photodiodes with High Detectivity for CMOS Color Image Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51688-51698. | 8.0 | 19 |
| 6 | Surface plasmon enhanced Organic color image sensor with Ag nanoparticles coated with silicon oxynitride. <i>Scientific Reports</i> , 2020, 10, 219. | 3.3 | 7 |
| 7 | The role of defects in organic image sensors for green photodiode. <i>Scientific Reports</i> , 2019, 9, 1745. | 3.3 | 7 |
| 8 | Green-light-selective organic photodiodes for full-color imaging. <i>Optics Express</i> , 2019, 27, 25410. | 3.4 | 19 |
| 9 | Bi-layered metal-oxide thin films processed at low-temperature for the encapsulation of highly stable organic photo-diode. <i>Organic Electronics</i> , 2017, 41, 259-265. | 2.6 | 10 |
| 10 | Narrow-Band Organic Photodiodes for High-Resolution Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26143-26151. | 8.0 | 59 |
| 11 | Dipolar donor-acceptor molecules in the cyanine limit for high efficiency green-light-selective organic photodiodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1117-1125. | 5.5 | 40 |
| 12 | Organic-on-silicon complementary metal-oxide-semiconductor colour image sensors. <i>Scientific Reports</i> , 2015, 5, 7708. | 3.3 | 94 |
| 13 | Structural Color Manipulation Using Tunable Photonic Crystals with Enhanced Switching Reliability. <i>Advanced Optical Materials</i> , 2014, 2, 535-541. | 7.3 | 35 |
| 14 | Electrically tunable photonic crystals from long-range ordered crystalline arrays composed of copolymer colloids. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5791. | 5.5 | 35 |
| 15 | Durable Plasmonic Cap Arrays on Flexible Substrate with Real-Time Optical Tunability for High-Fidelity SERS Devices. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4569-4574. | 8.0 | 72 |
| 16 | Full Color Tunable Photonic Crystal from Crystalline Colloidal Arrays with an Engineered Photonic Stop-Band. <i>Advanced Materials</i> , 2012, 24, 6438-6444. | 21.0 | 147 |
| 17 | Silicon Nanowires: Hierarchically Ordered Arrays of Noncircular Silicon Nanowires Featured by Holographic Lithography Toward a High-Fidelity Sensing Platform (<i>Adv. Funct. Mater.</i> 20/2012). <i>Advanced Functional Materials</i> , 2012, 22, 4399-4399. | 14.9 | 0 |
| 18 | Optically tunable arrayed structures for highly sensitive plasmonic detection via simplified holographic lithography. <i>Journal of Materials Chemistry</i> , 2012, 22, 4603. | 6.7 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Robust plasmonic sensors based on hybrid nanostructures with facile tunability. <i>Journal of Materials Chemistry</i> , 2012, 22, 13903. | 6.7 | 18 |
| 20 | Hierarchically Ordered Arrays of Noncircular Silicon Nanowires Featured by Holographic Lithography Toward a High-Fidelity Sensing Platform. <i>Advanced Functional Materials</i> , 2012, 22, 4268-4274. | 14.9 | 47 |
| 21 | Flexible, Angle-Independent, Structural Color Reflectors Inspired by Morpho Butterfly Wings. <i>Advanced Materials</i> , 2012, 24, 2375-2379. | 21.0 | 276 |
| 22 | Angle-Independent Reflectors: Flexible, Angle-Independent, Structural Color Reflectors Inspired by Morpho Butterfly Wings (<i>Adv. Mater.</i> 18/2012). <i>Advanced Materials</i> , 2012, 24, 2366-2366. | 21.0 | 8 |
| 23 | Controlled Origami Folding of Hydrogel Bilayers with Sustained Reversibility for Robust Microcarriers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1420-1423. | 13.8 | 194 |
| 24 | Inside Back Cover: Controlled Origami Folding of Hydrogel Bilayers with Sustained Reversibility for Robust Microcarriers (<i>Angew. Chem. Int. Ed.</i> 6/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1489-1489. | 13.8 | 1 |
| 25 | High-Fidelity Optofluidic On-Chip Sensors Using Well-Defined Gold Nanowell Crystals. <i>Analytical Chemistry</i> , 2011, 83, 9174-9180. | 6.5 | 41 |
| 26 | Photothermolysis of immobilized bacteria on gold nanograin arrays. <i>Applied Physics Letters</i> , 2011, 98, . | 3.3 | 10 |
| 27 | Lithographically-featured photonic microparticles of colloidal assemblies. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11861. | 2.8 | 15 |
| 28 | Biofunctional colloids and their assemblies. <i>Soft Matter</i> , 2010, 6, 1092. | 2.7 | 32 |
| 29 | Gold "Nanograins" with Tunable Dipolar Multiple Plasmon Resonances. <i>Advanced Materials</i> , 2009, 21, 1726-1731. | 21.0 | 61 |
| 30 | Nanoscale Ordered Voids and Metal Caps by Controlled Trapping of Colloidal Particles at Polymeric Film Surfaces. <i>Advanced Materials</i> , 2008, 20, 4862-4867. | 21.0 | 67 |
| 31 | Optofluidic Assembly of Colloidal Photonic Crystals with Controlled Sizes, Shapes, and Structures. <i>Advanced Materials</i> , 2008, 20, 1649-1655. | 21.0 | 154 |
| 32 | Inside Front Cover: Optofluidic Assembly of Colloidal Photonic Crystals with Controlled Sizes, Shapes, and Structures (<i>Adv. Mater.</i> 8/2008). <i>Advanced Materials</i> , 2008, 20, 1590-1590. | 21.0 | 1 |
| 33 | Superhydrophobic Films of Electrospun Fibers with Multiple-Scale Surface Morphology. <i>Langmuir</i> , 2007, 23, 7981-7989. | 3.5 | 160 |
| 34 | Polymeric Particles with Structural Complexity from Stable Immobilized Emulsions. <i>Chemistry of Materials</i> , 2007, 19, 4751-4760. | 6.7 | 34 |
| 35 | Fabrication of One-Dimensional Colloidal Assemblies from Electrospun Nanofibers. <i>Langmuir</i> , 2006, 22, 3445-3449. | 3.5 | 97 |