

Kyungwha Chung

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,197
citations

361413

20
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

2496
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Non-oxidized bare copper nanoparticles with surface excess electrons in air. <i>Nature Nanotechnology</i> , 2022, 17, 285-291. | 31.5 | 34 |
| 2 | Sophisticated plasmon-enhanced photo-nanozyme for anti-angiogenic and tumor-microenvironment-responsive combinatorial photodynamic and photothermal cancer therapy. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 106-106. | 5.8 | 8 |
| 3 | Microwave-assisted hydrothermal synthesis of a high-voltage microcube $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$ spinel cathode material. <i>Journal of Electroanalytical Chemistry</i> , 2021, 902, 115798. | 3.8 | 2 |
| 4 | Water- and acid-stable self-passivated dihafnium sulfide electride and its persistent electrocatalytic reaction. <i>Science Advances</i> , 2020, 6, eaba7416. | 10.3 | 30 |
| 5 | Polyethylenimine ethoxylated interlayer-mediated ZnO interfacial engineering for high-performance and low-temperature processed flexible perovskite solar cells: A simple and viable route for one-step processed $\text{CH}_3\text{NH}_3\text{PbI}_3$. <i>Journal of Power Sources</i> , 2019, 438, 226956. | 7.8 | 22 |
| 6 | Electrocatalytic glycerol oxidation enabled by surface plasmon polariton-induced hot carriers in Kretschmann configuration. <i>Nanoscale</i> , 2019, 11, 23234-23240. | 5.6 | 5 |
| 7 | Probing Multiphased Transition in Bulk MoS_2 by Direct Electron Injection. <i>ACS Nano</i> , 2019, 13, 14437-14446. | 14.6 | 29 |
| 8 | Perovskite-Gold Nanorod Hybrid Photodetector with High Responsivity and Low Driving Voltage. <i>Advanced Optical Materials</i> , 2018, 6, 1701397. | 7.3 | 36 |
| 9 | Viable stretchable plasmonics based on unidirectional nanoprisms. <i>Nanoscale</i> , 2018, 10, 4105-4112. | 5.6 | 16 |
| 10 | Enhancing Solar Light-Driven Photocatalytic Activity of Mesoporous Carbon-TiO ₂ Hybrid Films via Upconversion Coupling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1310-1317. | 6.7 | 46 |
| 11 | Plasmonic Hot Carriers Imaging: Promise and Outlook. <i>ACS Photonics</i> , 2018, 5, 4711-4723. | 6.6 | 46 |
| 12 | Synergistic Nanozymetic Activity of Hybrid Gold Bipyramid-Molybdenum Disulfide Core@Shell Nanostructures for Two-Photon Imaging and Anticancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42068-42076. | 8.0 | 53 |
| 13 | Plasmon-Mediated Electrocatalysis for Sustainable Energy: From Electrochemical Conversion of Different Feedstocks to Fuel Cell Reactions. <i>ACS Energy Letters</i> , 2018, 3, 1415-1433. | 17.4 | 62 |
| 14 | Enhancing the Performance of Surface Plasmon Resonance Biosensor via Modulation of Electron Density at the Graphene-Gold Interface. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800433. | 3.7 | 23 |
| 15 | Ultrasensitive colocalization detection based on plasmonic nanolithography with molecular-overlapped optical near-fields. , 2018, , . | | 0 |
| 16 | Molecular overlap with optical near-fields based on plasmonic nanolithography for ultrasensitive label-free detection by light-matter colocalization. <i>Biosensors and Bioelectronics</i> , 2017, 96, 89-98. | 10.1 | 20 |
| 17 | Graphene Oxide Shells on Plasmonic Nanostructures Lead to High-Performance Photovoltaics: A Model Study Based on Dye-Sensitized Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 117-123. | 17.4 | 17 |
| 18 | Upconversion-Triggered Charge Separation in Polymer Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 364-369. | 4.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Optimization of coupled plasmonic effects for viable phosphorescence of metal-free purely organic phosphor. <i>Journal of Applied Physics</i> , 2017, 122, 153103. | 2.5 | 8 |
| 20 | Surface engineering of the electron collecting layers for high performance organic photovoltaic cells. <i>Current Applied Physics</i> , 2017, 17, 1476-1482. | 2.4 | 1 |
| 21 | Plasmonic Solar Cells: From Rational Design to Mechanism Overview. <i>Chemical Reviews</i> , 2016, 116, 14982-15034. | 47.7 | 333 |
| 22 | Layer-by-Layer Self-Assembled Graphene Multilayers as Pt-Free Alternative Counter Electrodes in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11488-11498. | 8.0 | 20 |
| 23 | Layer-by-layer self-assembly of bisdendrons: An unprecedented route to multilayer thin films. <i>Macromolecular Research</i> , 2016, 24, 851-855. | 2.4 | 5 |
| 24 | Non-Volatile ReRAM Devices Based on Self-Assembled Multilayers of Modified Graphene Oxide 2D Nanosheets. <i>Small</i> , 2016, 12, 6167-6174. | 10.0 | 42 |
| 25 | Near-infrared light-responsive nanomaterials for cancer theranostics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 23-45. | 6.1 | 115 |
| 26 | LSPR Coupling: In Situ Studies of Surface-Plasmon-Resonance-Coupling Sensor Mediated by Stimuli-Sensitive Polymer Linker (<i>Adv. Funct. Mater.</i> 43/2015). <i>Advanced Functional Materials</i> , 2015, 25, 6823-6823. | 14.9 | 1 |
| 27 | In Situ Studies of Surface-Plasmon-Resonance-Coupling Sensor Mediated by Stimuli-Sensitive Polymer Linker. <i>Advanced Functional Materials</i> , 2015, 25, 6716-6724. | 14.9 | 23 |
| 28 | Systematic Study on the Sensitivity Enhancement in Graphene Plasmonic Sensors Based on Layer-by-Layer Self-Assembled Graphene Oxide Multilayers and Their Reduced Analogues. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 144-151. | 8.0 | 60 |
| 29 | Multi-layered nanocomposite dielectrics for high density organic memory devices. <i>Applied Physics Letters</i> , 2015, 106, . | 3.3 | 9 |
| 30 | Configuration-controlled Au nanocluster arrays on inverse micelle nano-patterns: versatile platforms for SERS and SPR sensors. <i>Nanoscale</i> , 2013, 5, 12261. | 5.6 | 40 |
| 31 | A simple and efficient strategy for the sensitivity enhancement of DNA hybridization based on the coupling between propagating and localized surface plasmons. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1074-1080. | 7.8 | 4 |
| 32 | Controll over the Au@Ag Core-shell Nanoparticle 2D Patterns via Diblock Copolymer Inverse Micelle Templates and Investigation of the Surface Plasmon Based Optical Property. <i>Journal of the Korean Chemical Society</i> , 2013, 57, 618-624. | 0.2 | 0 |
| 33 | Nanogap-based dielectric-specific colocalization for highly sensitive surface plasmon resonance detection of biotin-streptavidin interactions. <i>Applied Physics Letters</i> , 2012, 101, . | 3.3 | 41 |
| 34 | Bimetallic Multifunctional Core@Shell Plasmonic Nanoparticles for Localized Surface Plasmon Resonance Based Sensing and Electrocatalysis. <i>Analytical Chemistry</i> , 2012, 84, 6494-6500. | 6.5 | 35 |