

chonghui Li

List of Publications by Year in descending order

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38
papers

1,718
citations

257450
24
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330143
37
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all docs

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docs citations

38
times ranked

1707
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | MoS ₂ -spaced bimetal composite structure as SERS-SPR sensor for glucose detection. Journal of Alloys and Compounds, 2022, 902, 163789. | 5.5 | 16 |
| 2 | High performance D-type plastic fiber SPR sensor based on a hyperbolic metamaterial composed of Ag/MgF ₂ . Journal of Materials Chemistry C, 2021, 9, 13647-13658. | 5.5 | 25 |
| 3 | Manipulating the surface-enhanced Raman spectroscopy (SERS) activity and plasmon-driven catalytic efficiency by the control of Ag NP/graphene layers under optical excitation. Nanophotonics, 2021, 10, 1529-1540. | 6.0 | 48 |
| 4 | Heterostructured Cu ₂ O@Au nanowire as a dual-functional nanocomposite for environmental pollutant degradation and hydrogen peroxide sensing. Applied Optics, 2021, 60, 5936. | 1.8 | 0 |
| 5 | MoS ₂ -based multiple surface plasmonic coupling for enhanced surface-enhanced Raman scattering and photoelectrocatalytic performance utilizing the size effect. Optics Express, 2021, 29, 38768. | 3.4 | 68 |
| 6 | Fast multiphase analysis: Self-separation of mixed solution by a wettability-controlled CuO@Ag SERS substrate and its applications in pollutant detection. Sensors and Actuators B: Chemical, 2020, 307, 127663. | 7.8 | 22 |
| 7 | A 3D multilayer curved plasmonic coupling array with abundant and uniform hot spots for surface-enhanced Raman scattering. Journal Physics D: Applied Physics, 2020, 53, 055101. | 2.8 | 7 |
| 8 | Role of Graphene in Constructing Multilayer Plasmonic SERS Substrate with Graphene/AgNPs as Chemical Mechanism—Electromagnetic Mechanism Unit. Nanomaterials, 2020, 10, 2371. | 4.1 | 6 |
| 9 | 3D Ultrasensitive Polymers-Plasmonic Hybrid Flexible Platform for In-Situ Detection. Polymers, 2020, 12, 392. | 4.5 | 9 |
| 10 | Electric Field-Modulated Surface Enhanced Raman Spectroscopy by PVDF/Ag Hybrid. Scientific Reports, 2020, 10, 5269. | 3.3 | 11 |
| 11 | Aluminum nanoparticle films with an enhanced hot-spot intensity for high-efficiency SERS. Optics Express, 2020, 28, 9174. | 3.4 | 26 |
| 12 | Hydrophobic multiscale cavities for high-performance and self-cleaning surface-enhanced Raman spectroscopy (SERS) sensing. Nanophotonics, 2020, 9, 4761-4773. | 6.0 | 136 |
| 13 | In-situ electrospun aligned and maize-like AgNPs/PVA@Ag nanofibers for surface-enhanced Raman scattering on arbitrary surface. Nanophotonics, 2019, 8, 1719-1729. | 6.0 | 42 |
| 14 | Sensitive and selective surface plasmon resonance sensor employing a gold-supported graphene composite film/D-shaped fiber for dopamine detection. Journal Physics D: Applied Physics, 2019, 52, 195402. | 2.8 | 27 |
| 15 | Large-energy mode-locked ytterbium-doped linear-cavity fiber laser based on chemical vapor deposition-Bi ₂ Se ₃ as a saturable absorber. Applied Optics, 2019, 58, 2695. | 1.8 | 10 |
| 16 | Experimental and theoretical investigation for surface plasmon resonance biosensor based on graphene/Au film/D-POF. Optics Express, 2019, 27, 3483. | 3.4 | 48 |
| 17 | 3D silver nanoparticles with multilayer graphene oxide as a spacer for surface enhanced Raman spectroscopy analysis. Nanoscale, 2018, 10, 5897-5905. | 5.6 | 145 |
| 18 | Experimental and theoretical investigation for a hierarchical SERS activated platform with 3D dense hot spots. Sensors and Actuators B: Chemical, 2018, 263, 408-416. | 7.8 | 29 |

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|----|---|-----|-----------|
| 19 | SERS activated platform with three-dimensional hot spots and tunable nanometer gap. Sensors and Actuators B: Chemical, 2018, 258, 163-171. | 7.8 | 208 |
| 20 | Different number of silver nanoparticles layers for surface enhanced raman spectroscopy analysis. Sensors and Actuators B: Chemical, 2018, 255, 374-383. | 7.8 | 42 |
| 21 | Heterogeneous and cross-distributed metal structure hybridized with MoS ₂ as high-performance flexible SERS substrate. Optics Express, 2018, 26, 23831. | 3.4 | 18 |
| 22 | Flexible and stretchable SERS substrate based on a pyramidal PMMA structure hybridized with graphene oxide assivated AgNPs. Applied Surface Science, 2018, 455, 1171-1178. | 6.1 | 69 |
| 23 | High-performance 3D flexible SERS substrate based on graphene oxide/silver nanoparticles/pyramid PMMA. Optical Materials Express, 2018, 8, 844. | 3.0 | 29 |
| 24 | 3D hybrid MoS ₂ /AgNPs/inverted pyramid PMMA resonant cavity system for the excellent flexible surface enhanced Raman scattering sensor. Sensors and Actuators B: Chemical, 2018, 274, 152-162. | 7.8 | 33 |
| 25 | 3D Hybrid Plasmonic Nanostructures with Dense Hot Spots Using Monolayer MoS ₂ as Sub-Nanometer Spacer. Advanced Materials Interfaces, 2018, 5, 1800661. | 3.7 | 14 |
| 26 | SERS substrate based on the flexible hybrid of polydimethylsiloxane and silver colloid decorated with silver nanoparticles. Optics Express, 2018, 26, 21784. | 3.4 | 73 |
| 27 | Constructing 3D and Flexible Plasmonic Structure for High-Performance SERS Application. Advanced Materials Technologies, 2018, 3, 1800174. | 5.8 | 65 |
| 28 | High stability luminophores: fluorescent CsPbX ₃ (X = Cl, Br and I) nanofiber prepared by one-step electrospinning method. Optics Express, 2018, 26, 20649. | 3.4 | 24 |
| 29 | 3D SERS substrate based on Au-Ag bi-metal nanoparticles/MoS ₂ hybrid with pyramid structure. Optics Express, 2018, 26, 21546. | 3.4 | 92 |
| 30 | A sensitive, uniform, reproducible and stable SERS substrate has been presented based on MoS ₂ @Ag nanoparticles@pyramidal silicon. RSC Advances, 2017, 7, 5764-5773. | 3.6 | 45 |
| 31 | A novel U-bent plastic optical fibre local surface plasmon resonance sensor based on a graphene and silver nanoparticle hybrid structure. Journal Physics D: Applied Physics, 2017, 50, 165105. | 2.8 | 58 |
| 32 | Graphene oxide-decorated silver dendrites for high-performance surface-enhanced Raman scattering applications. Journal of Materials Chemistry C, 2017, 5, 3908-3915. | 5.5 | 33 |
| 33 | Theoretical design of a surface plasmon resonance sensor with high sensitivity and high resolution based on graphene-WS ₂ hybrid nanostructures and Au-Ag bimetallic film. RSC Advances, 2017, 7, 47177-47182. | 3.6 | 50 |
| 34 | Dense AuNP/MoS ₂ hybrid fabrication on fiber membranes for molecule separation and SERS detection. RSC Advances, 2017, 7, 36516-36524. | 3.6 | 23 |
| 35 | Ag ₂ O@Ag core-shell structure on PMMA as low-cost and ultra-sensitive flexible surface-enhanced Raman scattering substrate. Journal of Alloys and Compounds, 2017, 695, 1677-1684. | 5.5 | 56 |
| 36 | Ag gyrus-nanostructure supported on graphene/Au film with nanometer gap for ideal surface enhanced Raman scattering. Optics Express, 2017, 25, 20631. | 3.4 | 37 |

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|----|---|-----|-----------|
| 37 | Controlled-layer and large-area MoS ₂ films encapsulated Au nanoparticle hybrids for SERS. Optics Express, 2016, 24, 26097. | 3.4 | 36 |
| 38 | Few-layer MoS ₂ -encapsulated Cu nanoparticle hybrids fabricated by two-step annealing process for surface enhanced Raman scattering. Sensors and Actuators B: Chemical, 2016, 230, 645-652. | 7.8 | 38 |