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## Optical biosensing with electromagnetic nanostructures

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#	Paper	IF	Citations
26	Printed Electrochemical Biosensors: Opportunities and Metrological Challenges. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	12
25	On the Application of Stacked Periodic Tungsten Grating Nanostructure in Wide-Range Plasmonic Sensing and Other Photonic Devices. <i>Plasmonics</i> , <b>2021</b> , 16, 9-17	2.4	8
24	Magnetoplasmons for Ultrasensitive Label-Free Biosensing. <i>ACS Photonics</i> , <b>2021</b> , 8, 1316-1323	6.3	5
23	Multilayered L-shaped nanoantenna arrays with an increased electric field enhancement. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2021</b> , 38, 1604	1.7	1
22	Advancements in Grating Nanostructure Based Plasmonic Sensors in Last Two Decades: A Review. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 12633-12644	4	4
21	Tunable Van der Waals optical metasurfaces (VOMs) for biosensing of multiple analytes. <i>Optics Express</i> , <b>2021</b> , 29, 25800-25811	3.3	3
20	Microfluidics-Based Plasmonic Biosensing System Based on Patterned Plasmonic Nanostructure Arrays. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	13
19	The biomedical significance of multifunctional nanobiomaterials: The key components for site-specific delivery of therapeutics. <i>Life Sciences</i> , <b>2021</b> , 277, 119400	6.8	3
18	DNA-Modified Plasmonic Sensor for the Direct Detection of Virus Biomarkers from the Blood. <i>Nano Letters</i> , <b>2021</b> , 21, 7505-7511	11.5	5
17	Tunable phonon-plasmon hybridization in EMoO-graphene based van der Waals heterostructures. <i>Optics Express</i> , <b>2021</b> , 29, 33171-33183	3.3	4
16	Emerging Theragnostic Metal-Based Nanomaterials to Combat Cancer. <i>Nanotechnology in the Life Sciences</i> , <b>2021</b> , 317-334	1.1	1
15	An Implementation of Gold Nanoparticles with Functionalized Surface in Biosensorics. <b>2021</b> ,		
14	FEM analysis of a $\lambda/125$ high sensitivity graphene plasmonic biosensor for low hemoglobin concentration detection.. <i>Applied Optics</i> , <b>2022</b> , 61, 120-125	1.7	0
13	3D Chiral MetaCrystals. <i>Advanced Functional Materials</i> , 2109258	15.6	2
12	Self-Referenced Optical Fiber Sensor Based on LSPR Generated by Gold and Silver Nanoparticles Embedded in Layer-by-Layer Nanostructured Coatings. <i>Chemosensors</i> , <b>2022</b> , 10, 77	4	1
11	How to Assess the Measurement Performance of Mobile/Wearable Point-of-Care Testing Devices? A Systematic Review Addressing Sweat Analysis. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 761	2.6	1
10	Numerical Study on a Bound State in the Continuum Assisted Plasmonic Refractive Index Sensor. <i>Photonics</i> , <b>2022</b> , 9, 224	2.2	0

- 9 Correlation of electronic and vibrational properties with the chiro-optical activity of polyfluorene copolymers.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 276, 121180 4.4
- 8 High-Precision Nonenzymatic Electrochemical Glucose Sensing Based on CNTs/CuO Nanocomposite. *Journal of Electronic Materials*, 1.9 ○
- 7 Ultrasensitive Refractive Index Sensing Based on the Quasi-Bound States in the Continuum of All-Dielectric Metasurfaces. 2200812 3
- 6 Wearable Biosensor Standardization: How to Make Them Smarter. **2022**, 2, 366-384 ○
- 5 Dual-Band Biosensing With van der Waals Assisted Optical Metasurfaces. **2022**, 22, 15953-15960
- 4 Electrically controlled molecular fingerprint retrieval with van der Waals metasurface. **2022**, 121, 141701 ○
- 3 Ag-Si-MoS<sub>2</sub> based piezo-phototransistor. **2023**, 158, 108788 ○
- 2 Microfluidic-based plasmonic biosensors. **2023**, 287-312 ○
- 1 Dual-channel graphene-based optical metasurface switch at telecommunication wavelengths. **2023**, 40, 753 ○