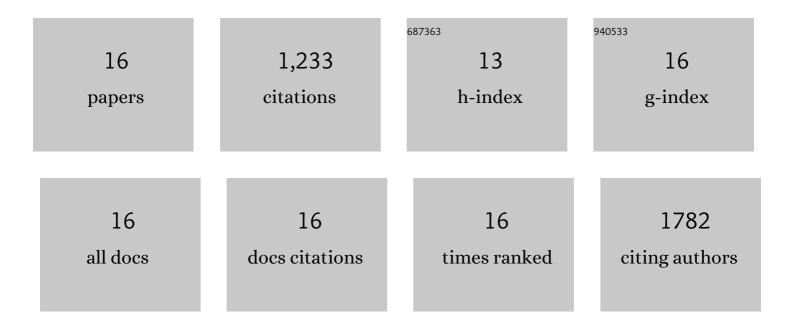
Shicai Xu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Composite Structure Based on Gold-Nanoparticle Layer and HMM for Surface-Enhanced Raman Spectroscopy Analysis. Nanomaterials, 2021, 11, 587.	4.1	14
2	Graphene biosensor as affinity biosensors for biorecognition between Guanine riboswitch and ligand. Applied Surface Science, 2020, 503, 144303.	6.1	13
3	A 3D mutilayer 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
4	Detection of MicroRNA Based on Three-Dimensional Graphene Field-Effect Transistor Biosensor. Nano, 2020, 15, 2050039.	1.0	5
5	Graphene foam field-effect transistor for ultra-sensitive label-free detection of ATP. Sensors and Actuators B: Chemical, 2019, 284, 125-133.	7.8	49
6	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
7	Ultrasensitive label-free detection of DNA hybridization by sapphire-based graphene field-effect transistor biosensor. Applied Surface Science, 2018, 427, 1114-1119.	6.1	75
8	SERS activated platform with three-dimensional hot spots and tunable nanometer gap. Sensors and Actuators B: Chemical, 2018, 258, 163-171.	7.8	208
9	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
10	3D hybrid MoS2/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
11	Constructing 3D and Flexible Plasmonic Structure for Highâ€Performance SERS Application. Advanced Materials Technologies, 2018, 3, 1800174.	5.8	65
12	Real-time reliable determination of binding kinetics of DNA hybridization using a multi-channel graphene biosensor. Nature Communications, 2017, 8, 14902.	12.8	303
13	Ag2O@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
14	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
15	Graphene isolated Au nanoparticle arrays with high reproducibility for high-performance surface-enhanced Raman scattering. Sensors and Actuators B: Chemical, 2016, 222, 1175-1183.	7.8	113
16	Graphene/Cu Nanoparticle Hybrids Fabricated by Chemical Vapor Deposition As Surface-Enhanced Raman Scattering Substrate for Label-Free Detection of Adenosine. ACS Applied Materials & Interfaces, 2015, 7, 10977-10987.	8.0	157