

# Owen Liang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ultra-Sensitive Graphene-Plasmonic Hybrid Platform for Label-Free Detection. <i>Advanced Materials</i> , 2013, 25, 4918-4924.	21.0	193
2	Label-Free SERS Selective Detection of Dopamine and Serotonin Using Graphene-Au Nanopyramid Heterostructure. <i>Analytical Chemistry</i> , 2015, 87, 10255-10261.	6.5	146
3	Cardiac Fibroblasts Adopt Osteogenic Fates and Can Be Targeted to Attenuate Pathological Heart Calcification. <i>Cell Stem Cell</i> , 2017, 20, 218-232.e5.	11.1	86
4	Giant Optical Response from Graphene-Plasmonic System. <i>ACS Nano</i> , 2012, 6, 6244-6249.	14.6	78
5	Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing. <i>Small</i> , 2018, 14, e1801146.	10.0	36
6	Systematic Characterization of Graphene ESD Interconnects for On-Chip ESD Protection. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 3205-3212.	3.0	34
7	Surface enhanced Raman spectroscopy distinguishes amyloid $\beta$ -protein isoforms and conformational states. <i>Protein Science</i> , 2018, 27, 1427-1438.	7.6	29
8	Label-free distinction between p53+/+ and p53 -/- colon cancer cells using a graphene based SERS platform. <i>Biosensors and Bioelectronics</i> , 2018, 118, 108-114.	10.1	25
9	Chemical Vapor Deposition of Graphene. , 0, , .		16
10	Crucial Impact of Hydrophilicity on the Self-Assembled 2D Colloidal Crystals Using Langmuir-Blodgett Method. <i>Langmuir</i> , 2020, 36, 10061-10068.	3.5	15
11	Molecular orientation and specificity in the identification of biomolecules via surface enhanced Raman spectroscopy. <i>Analytical Biochemistry</i> , 2020, 599, 113709.	2.4	9
12	Selective Manipulation of Molecules by Electrostatic Force and Detection of Single Molecules in Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12765-12772.	3.1	8
13	Ultrasensitive amyloid $\beta$ -protein quantification with high dynamic range using a hybrid graphene-gold surface-enhanced Raman spectroscopy platform. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 432-441.	2.5	8
14	Molecule Sensing: Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing (Small 33/2018). <i>Small</i> , 2018, 14, 1870152.	10.0	2