

# Shixuan He

## List of Publications by Year in descending order

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17  
papers

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citations

1163117

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh Spatial Resolution Cross-Disjoint Mortise-Confined Solid-State Nanopores with an Ultrathin Middle Layer. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8158-8164.	3.1	0
2	Probing the Influence of the Substrate Hole Shape on the Interaction between Helium Ions and Suspended Monolayer Graphene with Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2202-2211.	3.1	4
3	Nanocrystalline graphite nanopores for DNA sensing. <i>Carbon</i> , 2021, 176, 271-278.	10.3	9
4	Investigation of Substrate Swell-Induced Defect Formation in Suspended Graphene upon Helium Ion Implantation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16166-16174.	3.1	5
5	Visualizing of AuNPs protection aptamer from DNase I enzyme digestion based on Nanopipette and its use for Microcystin-LR detection. <i>Analytica Chimica Acta</i> , 2021, 1173, 338698.	5.4	13
6	Cross Disjoint Mortise Confined Solid-State Nanopores for Single-Molecule Detection. <i>ACS Applied Nano Materials</i> , 2021, 4, 9811-9820.	5.0	6
7	Direct optical observation of DNA clogging motions near controlled dielectric breakdown silicon nitride nanopores. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130796.	7.8	4
8	Helium-ion-beam nanofabrication: extreme processes and applications. <i>International Journal of Extreme Manufacturing</i> , 2021, 3, 012001.	12.7	34
9	The Raman band shift of suspended graphene impacted by the substrate edge and helium ion irradiation. <i>Nano Express</i> , 2021, 2, 010001.	2.4	5
10	Probing the changes of carotenoids in <i>Microcystis flosaquae</i> under environmental perturbations by two-dimensional Raman correlation spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 79-88.	2.5	3
11	A novel dielectric breakdown apparatus for solid-state nanopore fabrication with transient high electric field. <i>Review of Scientific Instruments</i> , 2020, 91, 093203.	1.3	9
12	Silver films coated inverted cone-shaped nanopore array anodic aluminum oxide membranes for SERS analysis of trace molecular orientation. <i>Applied Surface Science</i> , 2019, 488, 707-713.	6.1	19
13	Label-free identification of trace microcystin-LR with surface-enhanced Raman scattering spectra. <i>Talanta</i> , 2019, 195, 401-406.	5.5	22
14	Preliminary identification of unicellular algal genus by using combined confocal resonance Raman spectroscopy with PCA and DPLS analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 417-422.	3.9	24
15	Assessment of physiological responses and growth phases of different microalgae under environmental changes by Raman spectroscopy with chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 287-294.	3.9	25
16	Multivariate qualitative analysis of banned additives in food safety using surface enhanced Raman scattering spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 1092-1099.	3.9	66
17	Baseline correction for Raman spectra using an improved asymmetric least squares method. <i>Analytical Methods</i> , 2014, 6, 4402-4407.	2.7	155