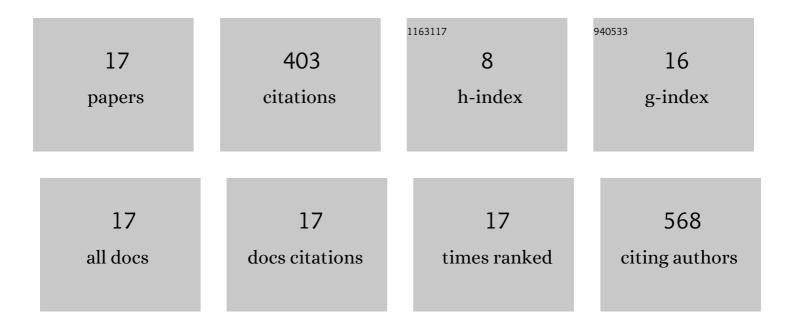
Shixuan He

List of Publications by Year in descending order

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SHIVIAN HE

#	Article	IF	CITATIONS
1	Ultrahigh Spatial Resolution Cross-Disjoint Mortise-Confined Solid-State Nanopores with an Ultrathin Middle Layer. Journal of Physical Chemistry C, 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. Journal of Physical Chemistry C, 2021, 125, 2202-2211.	3.1	4
3	Nanocrystalline graphite nanopores for DNA sensing. Carbon, 2021, 176, 271-278.	10.3	9
4	Investigation of Substrate Swell-Induced Defect Formation in Suspended Graphene upon Helium Ion Implantation. Journal of Physical Chemistry C, 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. Analytica Chimica Acta, 2021, 1173, 338698.	5.4	13
6	Cross Disjoint Mortise Confined Solid-State Nanopores for Single-Molecule Detection. ACS Applied Nano Materials, 2021, 4, 9811-9820.	5.0	6
7	Direct optical observation of DNA clogging motions near controlled dielectric breakdown silicon nitride nanopores. Sensors and Actuators B: Chemical, 2021, 349, 130796.	7.8	4
8	Helium-ion-beam nanofabrication: extreme processes and applications. International Journal of Extreme Manufacturing, 2021, 3, 012001.	12.7	34
9	The Raman band shift of suspended graphene impacted by the substrate edge and helium ion irradiation. Nano Express, 2021, 2, 010001.	2.4	5
10	Probing the changes of carotenoids in Microcystis flosaquae under environmental perturbations by twoâ€dimensional Raman correlation spectroscopy. Journal of Raman Spectroscopy, 2020, 51, 79-88.	2.5	3
11	A novel dielectric breakdown apparatus for solid-state nanopore fabrication with transient high electric field. Review of Scientific Instruments, 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. Applied Surface Science, 2019, 488, 707-713.	6.1	19
13	Label-free identification of trace microcystin-LR with surface-enhanced Raman scattering spectra. Talanta, 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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 287-294.	3.9	25
16	Multivariate qualitative analysis of banned additives in food safety using surface enhanced Raman scattering spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 1092-1099.	3.9	66
17	Baseline correction for Raman spectra using an improved asymmetric least squares method. Analytical Methods, 2014, 6, 4402-4407.	2.7	155