

Kevin M Cheung

List of Publications by Year in descending order

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16
papers

1,155
citations

687363

13
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

1477
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamer- μ field-effect transistors overcome Debye length limitations for small-molecule sensing. <i>Science</i> , 2018, 362, 319-324.	12.6	570
2	Wearable aptamer-field-effect transistor sensing system for noninvasive cortisol monitoring. <i>Science Advances</i> , 2022, 8, eabk0967.	10.3	118
3	Implantable aptamer- μ field-effect transistor neuroprobes for in vivo neurotransmitter monitoring. <i>Science Advances</i> , 2021, 7, eabj7422.	10.3	68
4	Polyserotonin Nanoparticles as Multifunctional Materials for Biomedical Applications. <i>ACS Nano</i> , 2018, 12, 4761-4774.	14.6	57
5	Phenylalanine Monitoring via Aptamer-Field-Effect Transistor Sensors. <i>ACS Sensors</i> , 2019, 4, 3308-3317.	7.8	57
6	Spin-Dependent Ionization of Chiral Molecular Films. <i>Journal of the American Chemical Society</i> , 2019, 141, 3863-3874.	13.7	50
7	Detecting DNA and RNA and Differentiating Single-Nucleotide Variations via Field-Effect Transistors. <i>Nano Letters</i> , 2020, 20, 5982-5990.	9.1	47
8	Polymer-Pen Chemical Lift-Off Lithography. <i>Nano Letters</i> , 2017, 17, 3302-3311.	9.1	39
9	Narrower Nanoribbon Biosensors Fabricated by Chemical Lift-off Lithography Show Higher Sensitivity. <i>ACS Nano</i> , 2021, 15, 904-915.	14.6	33
10	Large-Area, Ultrathin Metal-Oxide Semiconductor Nanoribbon Arrays Fabricated by Chemical Lift-Off Lithography. <i>Nano Letters</i> , 2018, 18, 5590-5595.	9.1	27
11	Multi-parametric functional imaging of cell cultures and tissues with a CMOS microelectrode array. <i>Lab on A Chip</i> , 2022, 22, 1286-1296.	6.0	20
12	Patterning of supported gold monolayers via chemical lift-off lithography. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2648-2661.	2.8	16
13	Differential Charging in Photoemission from Mercurated DNA Monolayers on Ferromagnetic Films. <i>Nano Letters</i> , 2020, 20, 1218-1225.	9.1	15
14	Chemical Lift-Off Lithography of Metal and Semiconductor Surfaces. , 2020, 2, 76-83.		14
15	Lipid Bicelle Micropatterning Using Chemical Lift-Off Lithography. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13447-13455.	8.0	13
16	Conformal Ultrathin Film Metal-Organic Framework Analogues: Characterization of Growth, Porosity, and Electronic Transport. <i>Chemistry of Materials</i> , 2019, 31, 8977-8986.	6.7	11