

# Meng-Yen Tsai

## List of Publications by Year in descending order

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16  
papers

716  
citations

840119

11  
h-index

940134

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16  
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docs citations

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times ranked

1834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preblocking Procedure to Mitigate Nonselective Protein Adsorption for Carboxyl-SAMs Used in Biosensing. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16778-16786.	1.5	7
2	Direct correlation between potentiometric and impedance biosensing of antibody-antigen interactions using an integrated system. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	14
3	Solution-Processed Doping of Trilayer $WSe_2$ with Redox-Active Molecules. <i>Chemistry of Materials</i> , 2017, 29, 7296-7304.	3.2	25
4	Lithium-Induced Defect Levels in ZnO Nanoparticles To Facilitate Electron Transport in Inverted Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15035-15041.	1.5	11
5	Resonant Light-Induced Heating in Hybrid Cavity-Coupled 2D Transition-Metal Dichalcogenides. <i>ACS Photonics</i> , 2016, 3, 700-707.	3.2	27
6	Graphene-Molybdenum Disulfide-Graphene Tunneling Junctions with Large-Area Synthesized Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8702-8709.	4.0	16
7	Improving performance of inverted organic solar cells using ZTO nanoparticles as cathode buffer layer. <i>Solid-State Electronics</i> , 2016, 120, 56-62.	0.8	4
8	Field-effect transistors based on wafer-scale, highly uniform few-layer p-type $WSe_2$ . <i>Nanoscale</i> , 2016, 8, 2268-2276.	2.8	58
9	A potentiometric biosensor for rapid on-site disease diagnostics. <i>Biosensors and Bioelectronics</i> , 2016, 79, 669-678.	5.3	81
10	Flexible $MoS_2$ Field-Effect Transistors for Gate-Tunable Piezoresistive Strain Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 12850-12855.	4.0	127
11	Gold-coated graphene field-effect transistors for quantitative analysis of protein-antibody interactions. <i>2D Materials</i> , 2015, 2, 044008.	2.0	32
12	Controlled Doping of Large-Area Trilayer $MoS_2$ with Molecular Reductants and Oxidants. <i>Advanced Materials</i> , 2015, 27, 1175-1181.	11.1	183
13	Highly Uniform Trilayer Molybdenum Disulfide for Wafer-Scale Device Fabrication. <i>Advanced Functional Materials</i> , 2014, 24, 6389-6400.	7.8	99
14	Synergistic Amplification of Short-Circuit Current for Organic Solar Cells via Modulation of P3HT:PCBM Spatial Distribution with Solvent Treatment. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14472-14478.	1.5	10
15	Surface effects on the photoluminescence of Si quantum dots. <i>Journal of Nanoparticle Research</i> , 2009, 11, 569-574.	0.8	11
16	Synthesis and Photoluminescence of Amorphous $Ca_5Ge_2O_9$ Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 6376-6380.	0.9	11