

# Matthew Kwan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/535642/publications.pdf>

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#	ARTICLE	IF	CITATIONS
1	Multifold Electrical Conductance Enhancements at Metal-Bismuth Telluride Interfaces Modified Using an Organosilane Monolayer. ACS Applied Materials & Interfaces, 2017, 9, 2001-2005.	8.0	13
2	Work function tuning at Au-HfO <sub>2</sub> interfaces using organophosphonate monolayers. Applied Physics Letters, 2016, 108, .	3.3	11
3	Tuning of noble metal work function with organophosphonate nanolayers. Applied Physics Letters, 2014, 105, .	3.3	10
4	Frequency-tunable toughening in a polymer-metal-ceramic stack using an interfacial molecular nanolayer. Nature Communications, 2018, 9, 5249.	12.8	8
5	Effect of molecular length on the electrical conductance across metal-alkanedithiol-Bi <sub>2</sub> Te <sub>3</sub> interfaces. Applied Physics Letters, 2016, 109, .	3.3	5
6	Interplay between bond breaking and plasticity during fracture at a nanomolecularly-modified metal-ceramic interface. Scripta Materialia, 2016, 121, 42-44.	5.2	5
7	Molecular length effect on work function shifts at copper-organophosphonate-hafnia interfaces. Applied Physics Letters, 2017, 110, .	3.3	3
8	Tailoring Al-SiO <sub>2</sub> interfacial work function using an organophosphonate nanolayer. Applied Physics Letters, 2017, 111, .	3.3	3
9	Chemical bonding and nanomolecular length effects on work function at Au-organophosphonate-HfO <sub>2</sub> interfaces. Applied Physics Letters, 2017, 110, 181604.	3.3	1