

Matthew Kwan

List of Publications by Year in descending order

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9
papers

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citations

1684188
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47
citing authors

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