

Janne-Petteri Niemelä

List of Publications by Year in descending order

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12
papers

265
citations

1039406

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docs citations

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times ranked

438
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Heat-transport mechanisms in molecular building blocks of inorganic/organic hybrid superlattices. <i>Physical Review B</i> , 2016, 93, . | 1.1 | 40 |
| 2 | Atomic layer deposition of transparent semiconducting oxide CuCrO_2 thin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8364-8371. | 2.7 | 37 |
| 3 | Ultra-low thermal conductivity in $\text{TiO}_2\text{:C}$ superlattices. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11527-11532. | 5.2 | 33 |
| 4 | Tunable optical properties of hybrid inorganic-organic $[(\text{TiO}_2)_m(\text{TiO}_6\text{H}_4)\text{O}_k]_n$ superlattice thin films. <i>Dalton Transactions</i> , 2015, 44, 591-597. | | 29 |
| 5 | Reduction in thermal conductivity and tunable heat capacity of inorganic/organic hybrid superlattices. <i>Physical Review B</i> , 2016, 93, . | 1.1 | 29 |
| 6 | Flexible $\mu\text{-Fe}_2\text{O}_3$ -Terephthalate Thin-Film Magnets through ALD/MLD. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21912-21921. | 4.0 | 29 |
| 7 | On the role of micro-porosity in affecting the environmental stability of atomic/molecular layer deposited $(\text{ZnO})_a(\text{ZnO}_6\text{H}_4\text{O})_b$ films. <i>Dalton Transactions</i> , 2019, 48, 3496-3505. | 1.6 | 22 |
| 8 | Thin-Film Engineering of Mechanical Fragmentation Properties of Atomic-Layer-Deposited Metal Oxides. <i>Nanomaterials</i> , 2020, 10, 558. | 1.9 | 13 |
| 9 | Mechanics of Nanoscale $\mu\text{-Fe}_2\text{O}_3$ /Organic Superlattices toward Flexible Thin-Film Magnets. <i>ACS Applied Nano Materials</i> , 2021, 4, 1692-1701. | 2.4 | 13 |
| 10 | Transition in layer structure of atomic/molecular layer deposited ZnO-zincone multilayers. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, . | 0.9 | 9 |
| 11 | Molecular layer deposited alucone thin films from long-chain organic precursors: from brittle to ductile mechanical characteristics. <i>Dalton Transactions</i> , 2020, 49, 10832-10838. | 1.6 | 9 |
| 12 | Mechanical Properties of Atomic-Layer-Deposited $\text{Al}_2\text{O}_3/\text{Y}_2\text{O}_3$ Nanolaminate Films on Aluminum toward Protective Coatings. <i>ACS Applied Nano Materials</i> , 2022, 5, 6285-6296. | 2.4 | 2 |