

Ofer Sinai

List of Publications by Year in descending order

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16
papers

641
citations

933447

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940533

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docs citations

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times ranked

1408
citing authors

#	ARTICLE	IF	CITATIONS
1	Widely tunable black phosphorus mid-infrared photodetector. <i>Nature Communications</i> , 2017, 8, 1672.	12.8	283
2	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. <i>Nano Letters</i> , 2018, 18, 3172-3179.	9.1	145
3	Role of Backbone Charge Rearrangement in the Bond-Dipole and Work Function of Molecular Monolayers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24888-24892.	3.1	31
4	Multiscale approach to the electronic structure of doped semiconductor surfaces. <i>Physical Review B</i> , 2015, 91, .	3.2	29
5	Growth Mechanisms and Electronic Properties of Vertically Aligned MoS ₂ . <i>Scientific Reports</i> , 2018, 8, 16480.	3.3	28
6	Electrolytical Entrapment of Organic Molecules within Metals. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13901-13909.	2.6	17
7	Organics@metals as the Basis for a Silver/Doped-Silver Electrochemical Cell. <i>Chemistry of Materials</i> , 2011, 23, 3289-3295.	6.7	16
8	Simulated doping of Si from first principles using pseudoatoms. <i>Physical Review B</i> , 2013, 87, .	3.2	16
9	Controlling oxide surface dipole and reactivity with intrinsic nonstoichiometric epitaxial reconstructions. <i>Physical Review B</i> , 2015, 92, .	3.2	14
10	Effect of Doping Density on the Charge Rearrangement and Interface Dipole at the Molecule-Silicon Interface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22422-22427.	3.1	13
11	Graphene Schottky Varactor Diodes for High-Performance Photodetection. <i>ACS Photonics</i> , 2019, 6, 1910-1915.	6.6	11
12	Lithographically Patterned Functional Polymer-Graphene Hybrids for Nanoscale Electronics. <i>ACS Nano</i> , 2018, 12, 1928-1933.	14.6	10
13	Vapour transport deposition of fluorographene oxide films and electro-optical device applications. <i>Applied Materials Today</i> , 2018, 13, 387-395.	4.3	9
14	Effect of binding group on hybridization across the silicon/aromatic-monolayer interface. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 204, 149-158.	1.7	8
15	Effect of Internal Heteroatoms on Level Alignment at Metal/Molecular Monolayer/Si Interfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3312-3325.	3.1	7
16	Growth of InGaAs/GaAsSb type II superlattice for eSWIR photodetector using MOCVD. <i>Infrared Physics and Technology</i> , 2018, 95, 199-202.	2.9	4