

Jason K Kawasaki

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36
papers

671
citations

13
h-index

25
g-index

40
ext. papers

848
ext. citations

6.5
avg, IF

4.18
L-index

#	Paper	IF	Citations
36	Influence of Surface Adsorption on the Oxygen Evolution Reaction on IrO(110). <i>Journal of the American Chemical Society</i> , 2017 , 139, 3473-3479	16.4	191
35	The Role of Surface Oxygen Vacancies in BiVO ₄ . <i>Chemistry of Materials</i> , 2020 , 32, 2899-2909	9.6	58
34	Synthesis of platinum dendrites and nanowires via directed electrochemical nanowire assembly. <i>Nano Letters</i> , 2011 , 11, 781-5	11.5	58
33	Oxygen evolution reaction electrocatalysis on SrIrO ₃ grown using molecular beam epitaxy. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6831-6836	13	52
32	Influence of Strain on the Surface Oxygen Interaction and the Oxygen Evolution Reaction of SrIrO ₃ . <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4359-4364	3.8	30
31	Evolution of electronic correlations across the rutile, perovskite, and Ruddelsden-Popper iridates with octahedral connectivity. <i>Physical Review B</i> , 2016 , 94,	3.3	30
30	Local density of states and interface effects in semimetallic ErAs nanoparticles embedded in GaAs. <i>Physical Review Letters</i> , 2011 , 107, 036806	7.4	24
29	Surface-mediated tunable self-assembly of single crystal semimetallic ErSb/GaSb nanocomposite structures. <i>Nano Letters</i> , 2013 , 13, 2895-901	11.5	20
28	Evolution in surface morphology of epitaxial graphene layers on SiC induced by controlled structural strain. <i>Applied Physics Letters</i> , 2008 , 93, 191916	3.4	19
27	Growth and transport properties of epitaxial lattice matched half Heusler CoTiSb/InAlAs/InP(001) heterostructures. <i>Applied Physics Letters</i> , 2014 , 104, 022109	3.4	16
26	A simple electron counting model for half-Heusler surfaces. <i>Science Advances</i> , 2018 , 4, eaar5832	14.3	15
25	Dirac nodal lines protected against spin-orbit interaction in IrO ₂ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	15
24	Surface and electronic structure of epitaxial PtLuSb (001) thin films. <i>Applied Physics Letters</i> , 2014 , 104, 201603	3.4	14
23	Epitaxial growth and surface studies of the Half Heusler compound NiTiSn (001). <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013 , 31, 04D106	1.3	13
22	Heusler interfaces Opportunities beyond spintronics?. <i>APL Materials</i> , 2019 , 7, 080907	5.7	12
21	Rutile IrO ₂ /TiO ₂ superlattices: A hyperconnected analog to the Ruddelsden-Popper structure. <i>Physical Review Materials</i> , 2018 , 2,	3.2	12
20	Strain-stabilized superconductivity. <i>Nature Communications</i> , 2021 , 12, 59	17.4	9

19	Structural and electronic properties of molecular beam epitaxially grown Ni _{1+x} TiSn films. <i>Journal of Crystal Growth</i> , 2017 , 467, 71-76	1.6	8
18	Cross-sectional scanning tunneling microscopy and spectroscopy of semimetallic ErAs nanostructures embedded in GaAs. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 03C104	1.3	8
17	Engineering Carrier Effective Masses in Ultrathin Quantum Wells of IrO ₂ . <i>Physical Review Letters</i> , 2018 , 121, 176802	7.4	8
16	Martensite transformation of epitaxial NiTi films. <i>Applied Physics Letters</i> , 2011 , 98, 191901	3.4	7
15	Control of polymorphism during epitaxial growth of hyperferroelectric candidate LiZnSb on GaSb (111)B. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020 , 38, 022208	1.3	6
14	Mott gap collapse in lightly hole-doped SrIrO. <i>Nature Communications</i> , 2020 , 11, 2597	17.4	5
13	Epitaxy, exfoliation, and strain-induced magnetism in rippled Heusler membranes. <i>Nature Communications</i> , 2021 , 12, 2494	17.4	5
12	Incoherent Cooper Pairing and Pseudogap Behavior in Single-Layer FeSe/SrTiO ₃ . <i>Physical Review X</i> , 2021 , 11,	9.1	5
11	High electrical conductivity in the epitaxial polar metals LaAuGe and LaPtSb. <i>APL Materials</i> , 2019 , 7, 121107	10.7	5
10	Size effects on the electronic structure of ErSb nanoparticles embedded in the GaSb(001) surface. <i>Physical Review B</i> , 2013 , 87,	3.3	4
9	Electronically enhanced layer buckling and Au-Au dimerization in epitaxial LaAuSb films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
8	Interfacial Electron-Phonon Coupling Constants Extracted from Intrinsic Replica Bands in Monolayer FeSe/SrTiO ₃ . <i>Physical Review Letters</i> , 2021 , 127, 016803	7.4	4
7	Growth of epitaxial NiTi shape memory alloy films on GaAs(001) and evidence of martensitic transformation. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 03C116	1.3	2
6	Electronic correlations in the semiconducting half-Heusler compound FeVSb. <i>Physical Review B</i> , 2021 , 103,	3.3	2
5	Effects of nanoscale embedded Schottky barriers on carrier dynamics in ErAs:GaAs composite systems. <i>Physical Review B</i> , 2015 , 92,	3.3	1
4	Growth Mechanisms and Electronic Structure of Embedded ErAs and ErSb Nanostructures Studied by In-Situ Scanning Tunneling Microscopy. <i>Microscopy and Microanalysis</i> , 2012 , 18, 1822-1823	0.5	1
3	Semi-adsorption-controlled growth window for half-Heusler FeVSb epitaxial films. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
2	Quantifying Mn Diffusion through Transferred versus Directly Grown Graphene Barriers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42146-42153	9.5	1

- 1 Selective area epitaxy of GaAs films using patterned graphene on Ge. *Applied Physics Letters*, **2022**, 120, 051603 3.4 ○