Jason K Kawasaki

List of Publications by Year
in descending order

40	1,044	471371 17	414303 32
papers	citations	h-index	g-index

40	40	40	2071
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Surface Adsorption on the Oxygen Evolution Reaction on IrO₂(110). Journal of the American Chemical Society, 2017, 139, 3473-3479.	6.6	269
2	The Role of Surface Oxygen Vacancies in BiVO₄. Chemistry of Materials, 2020, 32, 2899-2909.	3.2	108
3	Oxygen evolution reaction electrocatalysis on SrIrO₃ grown using molecular beam epitaxy. Journal of Materials Chemistry A, 2016, 4, 6831-6836.	5.2	62
4	Synthesis of Platinum Dendrites and Nanowires Via Directed Electrochemical Nanowire Assembly. Nano Letters, 2011, 11, 781-785.	4.5	61
5	Strain-stabilized superconductivity. Nature Communications, 2021, 12, 59.	5.8	43
6	Influence of Strain on the Surfaceâ€“Oxygen Interaction and the Oxygen Evolution Reaction of SrIrO₃. Journal of Physical Chemistry C, 2018, 122, 4359-4364.	1.5	39
7	Evolution of electronic correlations across the rutile, perovskite, and Ruddelsden-Popper iridates with octahedral connectivity. Physical Review B, 2016, 94, .	1.1	38
8	Local Density of States and Interface Effects in Semimetallic ErAs Nanoparticles Embedded in GaAs. Physical Review Letters, 2011, 107, 036806.	2.9	32
9	Incoherent Cooper Pairing and Pseudogap Behavior in Single-Layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>FeSe</mml:mi><mml:mo>/</mml:mo><mml:mi>SrTi</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow> Physical Review X, 2021, 11, .	2.8	30
10	Surface-Mediated Tunable Self-Assembly of Single Crystal Semimetallic ErSb/GaSb Nanocomposite Structures. Nano Letters, 2013, 13, 2895-2901.	4.5	25
11	Epitaxy, exfoliation, and strain-induced magnetism in rippled Heusler membranes. Nature Communications, 2021, 12, 2494.	5.8	25
12	Dirac nodal lines protected against spin-orbit interaction in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>IrO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml Physical Review Materials, 2019, 3, .	2.9	23
13	Pinhole-seeded lateral epitaxy and exfoliation of GaSb films on graphene-terminated surfaces. Nature Communications, 2022, 13, .	5.8	22
14	Evolution in surface morphology of epitaxial graphene layers on SiC induced by controlled structural strain. Applied Physics Letters, 2008, 93, 191916.	1.5	20
15	Heusler interfacesâ€”Opportunities beyond spintronics?. APL Materials, 2019, 7, .	2.2	20
16	Growth and transport properties of epitaxial lattice matched half Heusler CoTiSb/InAlAs/InP(001) heterostructures. Applied Physics Letters, 2014, 104, 022109.	1.5	18
17	A simple electron counting model for half-Heusler surfaces. Science Advances, 2018, 4, eaar5832.	4.7	18
18	Engineering Carrier Effective Masses in Ultrathin Quantum Wells of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>IrO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review Letters, 2018, 121, 176802.	2.9	17

#	Article	IF	Citations
19	Rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>IrO</mml:mi><mml:mn>2</mml:mn></mml: superlattices: A hyperconnected analog to the Ruddelsden-Popper structure. Physical Review Materials, 2018, 2, .	0.9	17
20	Surface and electronic structure of epitaxial PtLuSb (001) thin films. Applied Physics Letters, 2014, 104, 201603.	1.5	16
21	High electrical conductivity in the epitaxial polar metals LaAuGe and LaPtSb. APL Materials, 2019, 7, .	2.2	15
22	Interfacial Electron-Phonon Coupling Constants Extracted from Intrinsic Replica Bands in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>FeSe</mml:mi><mml:mo>/</mml:mo><mml:mi>SrTi</mml:mi><mml:msub><mml:mrow><mml: mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow><mml: Physical Review Letters, 2021, 127, 016803.	2.9	14
23	Epitaxial growth and surface studies of the Half Heusler compound NiTiSn (001). Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, .	0.6	13
24	Mott gap collapse in lightly hole-doped Sr2â^'xKxIrO4. Nature Communications, 2020, 11, 2597.	5.8	12
25	Martensite transformation of epitaxial Niâ€“Ti films. Applied Physics Letters, 2011, 98, .	1.5	11
26	Structural and electronic properties of molecular beam epitaxially grown Ni1+xTiSn films. Journal of Crystal Growth, 2017, 467, 71-76.	0.7	10
27	Control of polymorphism during epitaxial growth of hyperferroelectric candidate LiZnSb on GaSb (111)B. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, .	0.6	9
28	Solid-phase epitaxial growth of the correlated-electron transparent conducting oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrV</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2021, 5, .	0.9	9
29	Cross-sectional scanning tunneling microscopy and spectroscopy of semimetallic ErAs nanostructures embedded in GaAs. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, .	0.6	8
30	Size effects on the electronic structure of ErSb nanoparticles embedded in the GaSb(001) surface. Physical Review B, 2013, 87, .	1.1	7
31	Electronic correlations in the semiconducting half-Heusler compound FeVSb. Physical Review B, 2021, 103, .	1.1	7
32	Semi-adsorption-controlled growth window for half-Heusler FeVSb epitaxial films. Physical Review Materials, 2020, 4, .	0.9	7
33	Electronically enhanced layer buckling and Au-Au dimerization in epitaxial LaAuSb films. Physical Review Materials, 2019, 3, .	0.9	5
34	Growth of epitaxial NiTi shape memory alloy films on GaAs(001) and evidence of martensitic transformation. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, .	0.6	4
35	Quantifying Mn Diffusion through Transferred versus Directly Grown Graphene Barriers. ACS Applied Materials & Interfaces, 2021, 13, 42146-42153.	4.0	3
36	Selective area epitaxy of GaAs films using patterned graphene on Ge. Applied Physics Letters, 2022, 120, .	1.5	3

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37	Structure and magnetism in epitaxial <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> nanocomposite films. Physical Review Materials, 2021, 5, .	3.1	2
38	Growth Mechanisms and Electronic Structure of Embedded ErAs and ErSb Nanostructures Studied by In-Situ Scanning Tunneling Microscopy. Microscopy and Microanalysis, 2012, 18, 1822-1823.	0.2	1
39	Effects of nanoscale embedded Schottky barriers on carrier dynamics in ErAs:GaAs composite systems. Physical Review B, 2015, 92, .	1.1	1
40	THz Spectroscopy of Self-Assembled ErSb Nanowires. , 2014, , .		0