

Jason K Kawasaki

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7686938/jason-k-kawasaki-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Selective area epitaxy of GaAs films using patterned graphene on Ge. <i>Applied Physics Letters</i> , 2022 , 120, 051603	3.4	0
35	Epitaxy, exfoliation, and strain-induced magnetism in rippled Heusler membranes. <i>Nature Communications</i> , 2021 , 12, 2494	17.4	5
34	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
33	Incoherent Cooper Pairing and Pseudogap Behavior in Single-Layer FeSe/SrTiO ₃ . <i>Physical Review X</i> , 2021 , 11,	9.1	5
32	Strain-stabilized superconductivity. <i>Nature Communications</i> , 2021 , 12, 59	17.4	9
31	Quantifying Mn Diffusion through Transferred versus Directly Grown Graphene Barriers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42146-42153	9.5	1
30	Electronic correlations in the semiconducting half-Heusler compound FeVSb. <i>Physical Review B</i> , 2021 , 103,	3.3	2
29	The Role of Surface Oxygen Vacancies in BiVO ₄ . <i>Chemistry of Materials</i> , 2020 , 32, 2899-2909	9.6	58
28	Mott gap collapse in lightly hole-doped SrIrO. <i>Nature Communications</i> , 2020 , 11, 2597	17.4	5
27	Semi-adsorption-controlled growth window for half-Heusler FeVSb epitaxial films. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
26	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
25	Heusler interfaces: Opportunities beyond spintronics?. <i>APL Materials</i> , 2019 , 7, 080907	5.7	12
24	Electronically enhanced layer buckling and Au-Au dimerization in epitaxial LaAuSb films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
23	Dirac nodal lines protected against spin-orbit interaction in IrO ₂ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	15
22	High electrical conductivity in the epitaxial polar metals LaAuGe and LaPtSb. <i>APL Materials</i> , 2019 , 7, 121107	5.7	5
21	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
20	A simple electron counting model for half-Heusler surfaces. <i>Science Advances</i> , 2018 , 4, eaar5832	14.3	15

19	Rutile IrO ₂ /TiO ₂ superlattices: A hyperconnected analog to the Ruddelsden-Popper structure. <i>Physical Review Materials</i> , 2018 , 2,	3.2	12
18	Engineering Carrier Effective Masses in Ultrathin Quantum Wells of IrO ₂ . <i>Physical Review Letters</i> , 2018 , 121, 176802	7.4	8
17	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
16	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
15	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
14	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
13	Effects of nanoscale embedded Schottky barriers on carrier dynamics in ErAs:GaAs composite systems. <i>Physical Review B</i> , 2015 , 92,	3.3	1
12	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
11	Surface and electronic structure of epitaxial PtLuSb (001) thin films. <i>Applied Physics Letters</i> , 2014 , 104, 201603	3.4	14
10	Surface-mediated tunable self-assembly of single crystal semimetallic ErSb/GaSb nanocomposite structures. <i>Nano Letters</i> , 2013 , 13, 2895-901	11.5	20
9	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
8	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
7	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
6	Synthesis of platinum dendrites and nanowires via directed electrochemical nanowire assembly. <i>Nano Letters</i> , 2011 , 11, 781-5	11.5	58
5	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
4	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
3	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
2	Martensite transformation of epitaxial NiTi films. <i>Applied Physics Letters</i> , 2011 , 98, 191901	3.4	7

- 1 Evolution in surface morphology of epitaxial graphene layers on SiC induced by controlled structural strain. *Applied Physics Letters*, **2008**, 93, 191916

3.4 19