

Joseph H Ngai

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

336
citations

1684188

5
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	Active Silicon Integrated Nanophotonics: Ferroelectric BaTiO ₃ Devices. Nano Letters, 2014, 14, 1419-1425.	9.1	208
2	Epitaxial Oxides on Semiconductors: From Fundamentals to New Devices. Advanced Functional Materials, 2020, 30, 1901597.	14.9	65
3	Band-Gap Engineering at a Semiconductor-Crystalline Oxide Interface. Advanced Materials Interfaces, 2015, 2, 1400497.	3.7	31
4	An Ultrathin Single Crystalline Relaxor Ferroelectric Integrated on a High Mobility Semiconductor. Nano Letters, 2017, 17, 6248-6257.	9.1	11
5	Tuning metal-insulator behavior in LaTiO ₃ /SrTiO ₃ heterostructures integrated directly on Si(100) through control of atomic layer thickness. Applied Physics Letters, 2018, 112, .	3.3	9
6	Interfacial structure of SrZrTi _{1-x} O ₃ films on Ge. Applied Physics Letters, 2018, 113, 201601.	3.3	5
7	Suspended single-crystalline oxide structures on silicon through wet-etch techniques: Effects of oxygen vacancies and dislocations on etch rates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	4
8	Effect of buffer termination on intermixing and conductivity in LaTiO ₃ /SrTiO ₃ heterostructures integrated on Si(100). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 013206.	2.1	1
9	Interfacial Structure in Epitaxial Perovskite Oxides on (001) Ge Crystal. Microscopy and Microanalysis, 2015, 21, 1301-1302.	0.4	0
10	Preface for the special topic collection honoring Dr. Scott Chambers's™ 70th birthday and his leadership in the science and technology of oxide thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	0