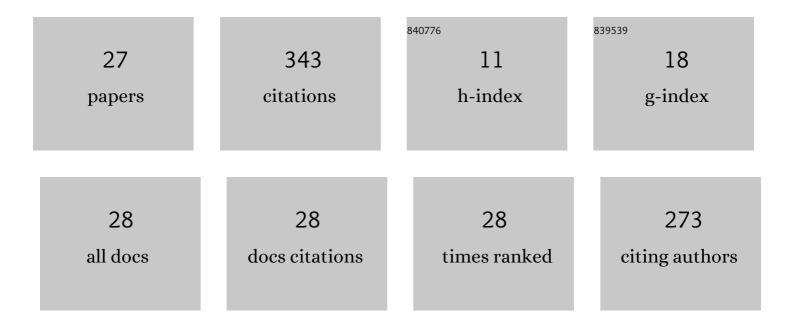
## Keyou Mao

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3788908/publications.pdf Version: 2024-02-01



Κενομ Μλο

#	Article	lF	CITATIONS
1	Grain orientation dependence of nanoindentation and deformation-induced martensitic phase transformation in neutron irradiated AISI 304L stainless steel. Materialia, 2019, 5, 100208.	2.7	35
2	Microstructure-property relationship for AISI 304/308L stainless steel laser weldment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 721, 234-243.	5.6	34
3	MELCOR simulation of core thermal response during a station blackout initiated severe accident in China pressurized reactor (CPR1000). Progress in Nuclear Energy, 2015, 81, 6-15.	2.9	28
4	Investing in a permanent and sustainable nuclear waste disposal solution. Progress in Nuclear Energy, 2018, 108, 474-479.	2.9	24
5	Role of cavities on deformation-induced martensitic transformation pathways in a laser-welded, neutron irradiated austenitic stainless steel. Scripta Materialia, 2020, 178, 1-6.	5.2	22
6	The development of a zirconium oxidation calculating program module for Module In-vessel Degraded Analysis Code MIDAC. Progress in Nuclear Energy, 2014, 73, 162-171.	2.9	19
7	Flow regime transition criteria for upward two-phase cross-flow in horizontal tube bundles. Applied Thermal Engineering, 2017, 112, 1533-1546.	6.0	19
8	Effect of proton irradiation on anatase TiO2 nanotube anodes for lithium-ion batteries. Journal of Materials Science, 2019, 54, 13221-13235.	3.7	19
9	Development of void fraction-quality correlation for two-phase flow in horizontal and vertical tube bundles. Progress in Nuclear Energy, 2017, 97, 38-52.	2.9	17
10	Improved irradiation resistance of accident-tolerant high-strength FeCrAl alloys with heterogeneous structures. Acta Materialia, 2022, 231, 117843.	7.9	16
11	Effect of laser welding on deformation mechanisms in irradiated austenitic stainless steel. Journal of Nuclear Materials, 2020, 528, 151878.	2.7	14
12	Thermal Aging and the Hall–Petch Relationship of PM-HIP and Wrought Alloy 625. Jom, 2019, 71, 2837-2845.	1.9	12
13	Microstructure and microchemistry of laser welds of irradiated austenitic steels. Materials and Design, 2021, 206, 109764.	7.0	12
14	Drift-flux model for upward two-phase cross-flow in horizontal tube bundles. International Journal of Multiphase Flow, 2017, 91, 170-183.	3.4	10
15	Effects of corrosion-inhibiting surface treatments on irradiated microstructure development in Ni-base alloy 718. Journal of Nuclear Materials, 2018, 512, 276-287.	2.7	10
16	The role of irradiation on deformation-induced martensitic phase transformations in face-centered cubic alloys. Journal of Materials Research, 2020, 35, 1660-1671.	2.6	10
17	Observations of radiation-enhanced ductility in irradiated Inconel 718: Tensile properties, deformation behavior, and microstructure. Acta Materialia, 2022, 231, 117889.	7.9	7
18	Development of cladding oxidation analysis code [COAC] and application for early stage severe accident simulation of AP1000. Progress in Nuclear Energy, 2015, 85, 352-365.	2.9	6

Κεγου Μλο

#	Article	IF	CITATIONS
19	Comparative Thermal Aging Effects on PM-HIP and Forged Inconel 690. Jom, 2018, 70, 2218-2223.	1.9	6
20	Laser weld-induced formation of amorphous Mn–Si precipitate in 304 stainless steel. Materialia, 2018, 3, 174-177.	2.7	6
21	Evaluation of Human Machine Interface (HMI) in Nuclear Power Plants with Fuzzy Logic method. , 2016, , .		4
22	Irradiation-induced amorphization of Fe-Y-based second phase particles in accident-tolerant FeCrAl alloys. Materialia, 2021, 15, 101016.	2.7	4
23	Effect of heterogeneous microstructure on the tensile and creep performances of cast Haynes 282 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 828, 142099.	5.6	4
24	EBSD and TEM Analysis of the Heat Affected Zone of Laser Welded AISI 304/308 Stainless Steel. Microscopy and Microanalysis, 2017, 23, 2212-2213.	0.4	2
25	In-situ Micromechanical Testing of Neutron Irradiated FeCrAl Alloys. Microscopy and Microanalysis, 2020, 26, 646-647.	0.4	2
26	Identifying chemically similar multiphase nanoprecipitates in compositionally complex non-equilibrium oxides via machine learning. Communications Materials, 2022, 3, .	6.9	1
27	Probing the Damage Recovery Mechanism in Irradiated Stainless Steels Using In-Situ Microcantilever Bending Test. Frontiers in Materials, 2022, 9, .	2.4	0