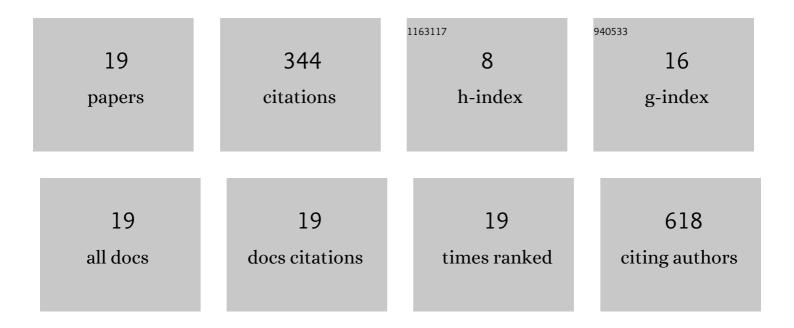
Patrick Ponath

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Oxideâ€Based Optoelectronics. Physica Status Solidi (B): Basic Research, 2021, 258, 2000497.	1.5	6
2	Dielectric breakdown in epitaxial BaTiO3 thin films. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 044007.	1.2	3
3	Direct Observation of Large Atomic Polar Displacements in Epitaxial Barium Titanate Thin Films. Advanced Materials Interfaces, 2020, 7, 2000555.	3.7	8
4	Surface structure analysis of Eu Zintl template on Ge(001). Surface Science, 2018, 674, 94-102.	1.9	9
5	Polarization retention in ultra-thin barium titanate films on Ge(001). Applied Physics Letters, 2018, 112, .	3.3	7
6	Monolithic integration of patterned BaTiO3 thin films on Ge wafers. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, .	1.2	6
7	Scavenging of oxygen from SrTiO3 during oxide thin film deposition and the formation of interfacial 2DEGs. Journal of Applied Physics, 2017, 121, .	2.5	50
8	Recent studies of oxide-semiconductor heterostructures using aberration-corrected scanning transmission electron microscopy. Journal of Materials Research, 2017, 32, 912-920.	2.6	7
9	Advances of the development of a ferroelectric field-effect transistor on Ge(001). , 2017, , .		1
10	Integration of ferroelectric BaTiO3 with Ge: The role of a SrTiO3 buffer layer investigated using aberration-corrected STEM. Applied Physics Letters, 2017, 110, .	3.3	5
11	Aberration-corrected STEM Imaging and EELS Mapping of BaTiO3/SrTiO3 Interfacial Defects. Microscopy and Microanalysis, 2017, 23, 1598-1599.	0.4	0
12	Characterization of a ferroelectric BaTiO 3 /SrTiO 3 heterostructure with interface-induced polarization. Microscopy and Microanalysis, 2016, 22, 1508-1509.	0.4	0
13	Contradictory nature of Co doping in ferroelectricBaTiO3. Physical Review B, 2016, 94, .	3.2	8
14	Integrated films of transition metal oxides for information technology. Microelectronic Engineering, 2015, 147, 285-289.	2.4	12
15	Carrier density modulation in a germanium heterostructure by ferroelectric switching. Nature Communications, 2015, 6, 6067.	12.8	75
16	Analysis of the Pockels effect in ferroelectric barium titanate thin films on Si(0 0 1). Microelectronic Engineering, 2015, 147, 215-218.	2.4	34
17	Atomic and electronic structure of the ferroelectric BaTiO3/Ge(001) interface. Applied Physics Letters, 2014, 104, .	3.3	45
18	Critical differences in the surface electronic structure of Ge(001) and Si(001): <i>Ab initio</i> theory and angle-resolved photoemission spectroscopy. Physical Review B, 2014, 89, .	3.2	31

#	Article	IF	CITATIONS
19	Preparation of a clean Ge(001) surface using oxygen plasma cleaning. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, .	1.2	37