

Roy Clarke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3557089/publications.pdf>

Version: 2024-02-01

42
papers

495
citations

759233

12
h-index

677142

22
g-index

43
all docs

43
docs citations

43
times ranked

623
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Tumor Microenvironment pH During Radiotherapy Using a Novel Cerenkov Emission Multispectral Optical Probe Based on Silicon Photomultipliers. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	1
2	Growth Parameter Based Control of Cation Disorder in MgSnN ₂ Thin Films. <i>Journal of Electronic Materials</i> , 2021, 50, 2949-2955.	2.2	5
3	Alloy-Free Band Gap Tuning across the Visible Spectrum. <i>Physical Review Letters</i> , 2019, 122, 256403.	7.8	37
4	Carrier dynamics of intermediate sub-bandgap transitions in ZnTeO. <i>Journal of Applied Physics</i> , 2019, 126, 135701.	2.5	2
5	Silicon Photomultipliers for Deep Tissue Cerenkov Emission Detection During External Beam Radiotherapy. <i>IEEE Photonics Journal</i> , 2019, 11, 1-16.	2.0	4
6	Bridge to success and inclusivity. <i>MRS Bulletin</i> , 2019, 44, 134-136.	3.5	0
7	Printing of small molecular medicines from the vapor phase. <i>Nature Communications</i> , 2017, 8, 711.	12.8	12
8	Origin of thickness dependence of structural phase transition temperatures in highly strained BiFeO ₃ thin films. <i>APL Materials</i> , 2016, 4, 036106.	5.1	7
9	Thin Films: Understanding Strain-Induced Phase Transformations in BiFeO ₃ Thin Films (<i>Adv. Sci.</i> 8/2015). <i>Advanced Science</i> , 2015, 2, .	11.2	1
10	Spatial Mapping of Morphology and Electronic Properties of Air-Printed Pentacene Thin Films. <i>Advanced Functional Materials</i> , 2014, 24, 3907-3916.	14.9	4
11	Organic Electronics: Spatial Mapping of Morphology and Electronic Properties of Air-Printed Pentacene Thin Films (<i>Adv. Funct. Mater.</i> 25/2014). <i>Advanced Functional Materials</i> , 2014, 24, 3906-3906.	14.9	0
12	Origin of stress and enhanced carrier transport in solution-cast organic semiconductor films. <i>Journal of Applied Physics</i> , 2013, 114, 093501.	2.5	17
13	Untilting BiFeO ₃ : The influence of substrate boundary conditions in ultra-thin BiFeO ₃ on SrTiO ₃ . <i>APL Materials</i> , 2013, 1, .	5.1	18
14	Ultrafast-laser Modification of Thermoelectric Sb ₂ Te ₃ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1456, 1.	0.1	0
15	Femtosecond laser-induced nanostructure formation in Sb ₂ Te ₃ . <i>Applied Physics Letters</i> , 2011, 99, .	3.3	15
16	Magnetic confinement of Brownian rotation to a single axis and application to Janus and cluster microparticles. <i>Applied Physics Letters</i> , 2010, 97, 144103.	3.3	8
17	Coherent optical phonon spectroscopy studies of femtosecond-laser modified Sb ₂ Te ₃ films. <i>Applied Physics Letters</i> , 2010, 97, 171908.	3.3	29
18	Wideband detection of transient solid-state dynamics using ultrafast fiber lasers and asynchronous optical sampling. <i>Optics Express</i> , 2008, 16, 2322.	3.4	38

#	ARTICLE	IF	CITATIONS
19	Probing laser-induced structural changes using coherent phonon detection. , 2008, , .		0
20	Fabrication of Nanoparticles and Microspheres with Uniform Magnetic Half-Shells. Materials Research Society Symposia Proceedings, 2005, 899, 1.	0.1	2
21	Surface morphology and magnetization reversal. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1524-1527.	2.1	1
22	Direct Determination of the Stacking Order in Gd ₂ O ₃ Epi-Layers on GaAs. Materials Research Society Symposia Proceedings, 2002, 751, 1.	0.1	0
23	Smoothing of (001) and (111) Cu films epitaxially grown on Si substrates. Materials Research Society Symposia Proceedings, 2000, 648, 1.	0.1	0
24	Epitaxial growth of (001) and (111) Ni films on MgO substrates. Materials Research Society Symposia Proceedings, 2000, 648, 1.	0.1	5
25	Temperature dependence of the magnetization reversal in Co(fcc)â€“BNâ€“Co(poly hcp) structures. Journal of Applied Physics, 1999, 85, 5765-5767.	2.5	8
26	In situ thin-film texture determination. Journal of Applied Physics, 1999, 85, 2151-2156.	2.5	37
27	In situ texture monitoring for growth of oriented cubic boron nitride films. Applied Physics Letters, 1999, 74, 955-957.	3.3	56
28	Heat conduction of (111) Co/Cu superlattices. Journal of Applied Physics, 1997, 81, 4586-4588.	2.5	14
29	Reduced bias growth of pure-phase cubic boron nitride. Applied Physics Letters, 1997, 71, 1969-1971.	3.3	68
30	Kinetics Approach To The Growth Of Cubic Boron Nitride. Materials Research Society Symposia Proceedings, 1996, 423, 265.	0.1	5
31	Low Temperature Annealing of Rh (111) Surfaces. Materials Research Society Symposia Proceedings, 1996, 440, 317.	0.1	0
32	Morphological Transition of Epitaxial Rhodium (111). Materials Research Society Symposia Proceedings, 1995, 399, 243.	0.1	1
33	Low energy kinetic threshold in the growth of cubic boron nitride films. Applied Physics Letters, 1994, 64, 1859-1861.	3.3	59
34	An alternate route to giant magnetoresistance in MBEâ€“grown Coâ€“Cu superlattices (invited). Journal of Applied Physics, 1994, 75, 6174-6177.	2.5	29
35	Exafs Study of Co/Cu Multilayers: Mbe Versus Sputtered. Materials Research Society Symposia Proceedings, 1994, 375, 207.	0.1	1
36	High-Field Giant Magnetoresistance in Co-Cu Superlattices. Materials Research Society Symposia Proceedings, 1993, 313, 35.	0.1	4

#	ARTICLE	IF	CITATIONS
37	Epitaxial Co-Cu Superlattices. Materials Research Society Symposia Proceedings, 1991, 231, 235.	0.1	1
38	Epitaxy of Co-Metal Superlattices. Materials Research Society Symposia Proceedings, 1991, 221, 243.	0.1	0
39	Real Time X-Ray Studies of Interface Kinetics in Epitaxial Strained Layers. Materials Research Society Symposia Proceedings, 1991, 230, 225.	0.1	0
40	MBE-Grown Epitaxial Co/Cr Superlattices. Materials Research Society Symposia Proceedings, 1991, 231, 385.	0.1	0
41	Real-Time Studies of Interface Structural Dynamics. Materials Research Society Symposia Proceedings, 1991, 237, 367.	0.1	0
42	Real-time X-ray studies using CCDs. Synchrotron Radiation News, 1991, 4, 24-28.	0.8	5