

Yves Fleming

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

285
citations

933264

10
h-index

887953

17
g-index

23
all docs

23
docs citations

23
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	Sodium enhances indium-gallium interdiffusion in copper indium gallium diselenide photovoltaic absorbers. <i>Nature Communications</i> , 2018, 9, 826.	5.8	51
2	Combined SIMS-SPM instrument for high sensitivity and high-resolution elemental 3D analysis. <i>Surface and Interface Analysis</i> , 2013, 45, 513-516.	0.8	30
3	Design and performance of a combined secondary ion mass spectrometry-scanning probe microscopy instrument for high sensitivity and high-resolution elemental three-dimensional analysis. <i>Review of Scientific Instruments</i> , 2012, 83, 063702.	0.6	25
4	Three dimensional imaging using secondary ion mass spectrometry and atomic force microscopy. <i>Applied Surface Science</i> , 2011, 258, 1322-1327.	3.1	24
5	Comparison on the structural, mechanical and tribological properties of TiAlN coatings deposited by HiPIMS and Cathodic Arc Evaporation. <i>Surface and Coatings Technology</i> , 2021, 423, 127529.	2.2	23
6	Experimental and simulation-based investigation of He, Ne and Ar irradiation of polymers for ion microscopy. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1113-1128.	1.5	22
7	Formation of charge-selective Mg ²⁺ /Ag electrodes to CuPc:C60 blend layers. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	18
8	Controlling electrical and optical properties of zinc oxide thin films grown by thermal atomic layer deposition with oxygen gas. <i>Results in Materials</i> , 2020, 6, 100088.	0.9	17
9	High sensitivity and high resolution element 3D analysis by a combined SIMS-SPM instrument. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1091-1099.	1.5	12
10	Critical field anisotropy in the antiferroelectric switching of PbZrO ₃ films. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	10
11	Design of Silica Nanoparticles-Supported Metal Catalyst by Wet Impregnation with Catalytic Performance for Tuning Carbon Nanotubes Growth. <i>Catalysts</i> , 2021, 11, 986.	1.6	9
12	Resolving cavitation in silica-filled styrene-butadiene rubber composites upon cyclic tensile testing. <i>Polymer Testing</i> , 2021, 100, 107274.	2.3	8
13	Differential ion beam sputtering of segregated phases in aluminum casting alloys. <i>Applied Surface Science</i> , 2013, 265, 489-494.	3.1	7
14	Elucidating the growth mechanism of ZnO films by atomic layer deposition with oxygen gas via isotopic tracking. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4307-4315.	2.7	7
15	Influence of Silica Specific Surface Area on the Viscoelastic and Fatigue Behaviors of Silica-Filled SBR Composites. <i>Polymers</i> , 2021, 13, 3094.	2.0	7
16	Cavitation Micro-mechanisms in Silica-Filled Styrene-Butadiene Rubber Upon Fatigue and Cyclic Tensile Testing. <i>Advances in Polymer Science</i> , 2020, , 109-129.	0.4	5
17	Combined SIMS and AFM study of complex structures of streamers on metallic multilayers. <i>Surface and Interface Analysis</i> , 2014, 46, 397-400.	0.8	4
18	Correlative Microscopy Using SIMS For High-Sensitivity Elemental Mapping. <i>Microscopy and Microanalysis</i> , 2013, 19, 356-357.	0.2	2

#	ARTICLE	IF	CITATIONS
19	SIMS Based Correlative Microscopy for High-Resolution High-Sensitivity Nano-Analytics. Microscopy and Microanalysis, 2014, 20, 966-967.	0.2	2
20	Combined SIMS-SPM Instrument For High Sensitivity And High Resolution Elemental 3D Analysis. Microscopy and Microanalysis, 2012, 18, 888-889.	0.2	1
21	Carbon removal from trenches on EUV reticles. , 2014, , .		1
22	Combined SIMS-SPM Instrument for High Sensitivity and High Resolution Elemental 3D Analysis. Microscopy and Microanalysis, 2013, 19, 668-669.	0.2	0
23	Integrated SIMS-AFM Instrument for Accurate High-Sensitivity and High-Resolution Chemical 3D Analysis. Microscopy and Microanalysis, 2015, 21, 1437-1438.	0.2	0