

Jeffrey J Weimer

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

308
citations

1163117

8
h-index

1058476

14
g-index

21
all docs

21
docs citations

21
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesenchymal stem cell interaction with ultra-smooth nanostructured diamond for wear-resistant orthopaedic implants. <i>Biomaterials</i> , 2008, 29, 3461-3468.	11.4	78
2	The effect of nitrogen diffusion hardening on the surface chemistry and scratch resistance of Ti-6Al-4V alloy. <i>Biomaterials</i> , 2000, 21, 1669-1677.	11.4	65
3	Effect of passivation and dry heat-sterilization on surface energy and topography of unalloyed titanium implants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 135, 89-101.	4.7	34
4	Surface topography, corrosion and microhardness of nitrogen-diffusion-hardened titanium alloy. <i>Biomaterials</i> , 1999, 20, 1709-1716.	11.4	32
5	Improved adhesion of ultra-hard carbon films on cobalt-chromium orthopaedic implant alloy. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 307-316.	3.6	28
6	Depth profiling analysis of aluminum oxidation during film deposition in a conventional high vacuum system. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 3062-3067.	2.1	18
7	Lipid Bilayer Membrane in a Silicon Based Micron Sized Cavity Accessed by Atomic Force Microscopy and Electrochemical Impedance Spectroscopy. <i>Biosensors</i> , 2017, 7, 26.	4.7	14
8	Characterization of Grafted Poly(ethylene glycol) on Si Wafers Using Scanning Probe Microscopy. <i>Journal of Colloid and Interface Science</i> , 1998, 207, 180-183.	9.4	11
9	Achieving zero stress in iridium, chromium, and nickel thin films. , 2015, , .		9
10	Reactor for combined surface spectroscopic analysis and atmospheric pressure kinetic studies of catalysts. <i>Review of Scientific Instruments</i> , 1984, 55, 238-243.	1.3	5
11	An Oscillating Reaction as a Demonstration of Principles Applied in Chemistry and Chemical Engineering. <i>Journal of Chemical Education</i> , 1994, 71, 325.	2.3	5
12	Analysis of the uptake of chlorotrimethylsilane on glass from toluene solution-phase depositions. <i>Surfaces and Interfaces</i> , 2017, 7, 29-38.	3.0	2
13	Isotherm analysis of the solution-phase uptake of chlorotrimethyl silane on a photosensitive glass. <i>Surfaces and Interfaces</i> , 2018, 10, 188-196.	3.0	2
14	Controlled Spreading Rates to Distribute Nanoparticles as Uniform Langmuir Films. <i>Langmuir</i> , 2021, 37, 5139-5150.	3.5	2
15	<title>X-ray photoelectron spectroscopy depth profiling of oxidized aluminum thin films</title>. , 1994, 2262, 79.		1
16	An uncertainty budget analysis on the Hamaker constant determined when fitting force-distance curves for a sphere-plate system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 118, 120-134.	5.0	1
17	Analysis and Characterization of Mixed Alkyl Silane Self-Assembled Monolayers on Metal and Oxide Surfaces. , 0, , .		0
18	Application of High-Speed Video and Spectroscopy to Railgun Development. <i>Materials and Manufacturing Processes</i> , 2012, 27, 846-851.	4.7	0

#	ARTICLE	IF	CITATIONS
19	Corrections to the born repulsion term for energy and force in a sphere-plate colloidal system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 472, 124-125.	4.7	0