

Mats Hulander

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

534
citations

840776

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times ranked

1019
citing authors

#	ARTICLE	IF	CITATIONS
1	BIOMARKER RESPONSES AND CHEMICAL ANALYSES IN FISH INDICATE LEAKAGE OF POLYCYCLIC AROMATIC HYDROCARBONS AND OTHER COMPOUNDS FROM CAR TIRE RUBBER. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2926.	4.3	78
2	Immune complement activation is attenuated by surface nanotopography. <i>International Journal of Nanomedicine</i> , 2011, 6, 2653.	6.7	70
3	Fibrinogen Adsorption and Conformational Change on Model Polymers: Novel Aspects of Mutual Molecular Rearrangement. <i>Langmuir</i> , 2009, 25, 5602-5608.	3.5	65
4	The bone-implant interface of dental implants in humans on the atomic scale. <i>Acta Biomaterialia</i> , 2017, 48, 445-450.	8.3	46
5	Blood Interactions with Noble Metals: Coagulation and Immune Complement Activation. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1053-1062.	8.0	38
6	Multi-seasonal barnacle (<i>Balanus improvisus</i>) protection achieved by trace amounts of a macrocyclic lactone (ivermectin) included in rosin-based coatings. <i>Biofouling</i> , 2011, 27, 941-953.	2.2	33
7	Role of nanostructured gold surfaces on monocyte activation and <i>Staphylococcus epidermidis</i> biofilm formation. <i>International Journal of Nanomedicine</i> , 2014, 9, 775.	6.7	31
8	Rubber additives induce oxidative stress in rainbow trout. <i>Aquatic Toxicology</i> , 2005, 75, 136-143.	4.0	25
9	Formulation of polyphthalaldehyde microcapsules for immediate UV-light triggered release. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 645-653.	9.4	21
10	Gold Nanoparticle-Assisted Self-Assembly of Chemical Gradients with Tunable Sub-50 nm Molecular Domains. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 209-218.	2.3	19
11	Atom Probe Tomography for 3D Structural and Chemical Analysis of Individual Proteins. <i>Small</i> , 2019, 15, e1900316.	10.0	13
12	Development of a photon induced drug-delivery implant coating. <i>Materials Science and Engineering C</i> , 2019, 98, 619-627.	7.3	13
13	Adhesion of <i>Escherichia Coli</i> to Nanostructured Surfaces and the Role of Type 1 Fimbriae. <i>Nanomaterials</i> , 2020, 10, 2247.	4.1	12
14	Curvature-dependent effects of nanotopography on classical immune complement activation. <i>Acta Biomaterialia</i> , 2018, 74, 112-120.	8.3	11
15	Protein-coated nanostructured surfaces affect the adhesion of <i>Escherichia coli</i> . <i>Nanoscale</i> , 2022, 14, 7736-7746.	5.6	11
16	Adsorption of Fibrinogen on Silica Surfaces—The Effect of Attached Nanoparticles. <i>Biomolecules</i> , 2020, 10, 413.	4.0	9
17	Oxidation Mechanism in Zircaloy-2—The Effect of SPP Size Distribution. , 2015, , 373-403.		9
18	Complete precipitate dissolution during adiabatic shear localisation in a Ni-based superalloy. <i>Philosophical Magazine Letters</i> , 2020, 100, 561-570.	1.2	7

#	ARTICLE	IF	CITATIONS
19	In Situ Gold Nanoparticle Gradient Formation in a 3D Meso- and Macroporous Polymer Matrix. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700231.	3.9	6
20	Influence of Fibrinogen on Staphylococcus epidermidis Adhesion Can Be Reversed by Tuning Surface Nanotopography. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4323-4330.	5.2	6
21	Effect of silica nano-spheres on adhesion of oral bacteria and human fibroblasts. <i>Biomaterial Investigations in Dentistry</i> , 2020, 7, 134-145.	1.8	5
22	Toward a Comprehensive Mechanistic Understanding of Hydrogen Uptake in Zirconium Alloys by Combining Atom Probe Analysis With Electronic Structure Calculations. , 2015, , 515-539.		3
23	The Effect of Iron on Dislocation Evolution in Model and Commercial Zirconium Alloys. , 2018, , 796-822.		3
24	Characterization Tools: Atom Probe Tomography for 3D Structural and Chemical Analysis of Individual Proteins (<i>Small</i> 24/2019). <i>Small</i> , 2019, 15, 1970130.	10.0	0