

Lisa A Delouise

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2107255/publications.pdf>

Version: 2024-02-01

69
papers

2,642
citations

172457

29
h-index

182427

51
g-index

72
all docs

72
docs citations

72
times ranked

3334
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Skin Penetration of Quantum Dot Nanoparticles in the Murine Model: The Effect of UVR. <i>Nano Letters</i> , 2008, 8, 2779-2787.	9.1	273
2	Nanoparticle-Enabled Transdermal Drug Delivery Systems for Enhanced Dose Control and Tissue Targeting. <i>Molecules</i> , 2016, 21, 1719.	3.8	178
3	Applications of Nanotechnology in Dermatology. <i>Journal of Investigative Dermatology</i> , 2012, 132, 964-975.	0.7	155
4	Cross-Correlation of Optical Microcavity Biosensor Response with Immobilized Enzyme Activity. Insights into Biosensor Sensitivity. <i>Analytical Chemistry</i> , 2005, 77, 3222-3230.	6.5	131
5	Adsorption and desorption of NO from Rh{111} and Rh{331} surfaces. <i>Surface Science</i> , 1985, 159, 199-213.	1.9	105
6	Whole blood optical biosensor. <i>Biosensors and Bioelectronics</i> , 2007, 23, 444-448.	10.1	101
7	Enzyme Immobilization in Porous Silicon: Quantitative Analysis of the Kinetic Parameters for Glutathione-S-transferases. <i>Analytical Chemistry</i> , 2005, 77, 1950-1956.	6.5	97
8	Label-Free Quantitative Detection of Protein Using Macroporous Silicon Photonic Bandgap Biosensors. <i>Analytical Chemistry</i> , 2007, 79, 1502-1506.	6.5	97
9	Surface chemistry on semiconductors studied by molecular-beam reactive scattering. <i>Surface Science Reports</i> , 1994, 19, 285-380.	7.2	94
10	Steric Crowding Effects on Target Detection in an Affinity Biosensor. <i>Langmuir</i> , 2007, 23, 5817-5823.	3.5	92
11	Integration of a Chemical-Responsive Hydrogel into a Porous Silicon Photonic Sensor for Visual Colorimetric Readout. <i>Advanced Functional Materials</i> , 2010, 20, 573-578.	14.9	76
12	Continuously perfused microbubble array for 3D tumor spheroid model. <i>Biomicrofluidics</i> , 2011, 5, 24110.	2.4	72
13	Quantitative Assessment of Enzyme Immobilization Capacity in Porous Silicon. <i>Analytical Chemistry</i> , 2004, 76, 6915-6920.	6.5	71
14	Physicochemical factors that affect metal and metal oxide nanoparticle passage across epithelial barriers. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 434-450.	6.1	66
15	Hydrogel-Supported Optical-Microcavity Sensors. <i>Advanced Materials</i> , 2005, 17, 2199-2203.	21.0	60
16	Carbon monoxide adsorption and desorption on Rh{111} and Rh{331} surfaces. <i>Surface Science</i> , 1984, 138, 417-431.	1.9	59
17	Microfabrication of cavities in polydimethylsiloxane using DRIE silicon molds. <i>Lab on A Chip</i> , 2007, 7, 1660.	6.0	51
18	Label-Free Porous Silicon Immunosensor for Broad Detection of Opiates in a Blind Clinical Study and Results Comparison to Commercial Analytical Chemistry Techniques. <i>Analytical Chemistry</i> , 2010, 82, 9711-9718.	6.5	49

#	ARTICLE	IF	CITATIONS
19	Tunable Detection Sensitivity of Opiates in Urine via a Label-Free Porous Silicon Competitive Inhibition Immunosensor. <i>Analytical Chemistry</i> , 2010, 82, 714-722.	6.5	45
20	From Dose to Response: In Vivo Nanoparticle Processing and Potential Toxicity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 947, 71-100.	1.6	41
21	Characterization of CO binding sites on Rh{111} and Rh{331} surfaces by XPS and LEED: Comparison to EELS results. <i>Surface Science</i> , 1984, 147, 252-262.	1.9	40
22	Multi-walled carbon nanotube oxidation dependent keratinocyte cytotoxicity and skin inflammation. <i>Particle and Fibre Toxicology</i> , 2019, 16, 3.	6.2	37
23	Effect of homotypic and heterotypic interaction in 3D on the E-selectin mediated adhesive properties of breast cancer cell lines. <i>Biomaterials</i> , 2012, 33, 9037-9048.	11.4	35
24	Understanding engineered nanomaterial skin interactions and the modulatory effects of ultraviolet radiation skin exposure. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 61-79.	6.1	35
25	Effect of Nanoparticle Surface Coating on Cell Toxicity and Mitochondria Uptake. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 155-166.	1.1	35
26	Impact of Cosmetic Lotions on Nanoparticle Penetration through ex Vivo C57BL/6 Hairless Mouse and Human Skin: A Comparison Study. <i>Cosmetics</i> , 2016, 3, 6.	3.3	34
27	Microenvironment induced spheroid to sheeting transition of immortalized human keratinocytes (HaCaT) cultured in microbubbles formed in polydimethylsiloxane. <i>Biomaterials</i> , 2011, 32, 7159-7168.	11.4	30
28	Enriching and characterizing cancer stem cell sub-populations in the WM115 melanoma cell line. <i>Biomaterials</i> , 2011, 32, 9316-9327.	11.4	30
29	Immunomodulatory Effects of Nanoparticles on Skin Allergy. <i>Scientific Reports</i> , 2017, 7, 3979.	3.3	30
30	Development of a functional salivary gland tissue chip with potential for high-content drug screening. <i>Communications Biology</i> , 2021, 4, 361.	4.4	30
31	Thiol Antioxidant-Functionalized CdSe/ZnS Quantum Dots: Synthesis, Characterization, Cytotoxicity. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 382-392.	1.1	28
32	Quantification of quantum dot murine skin penetration with UVR barrier impairment. <i>Nanotoxicology</i> , 2013, 7, 1386-1398.	3.0	27
33	Defect induced surface chemistry: A comparison of the adsorption and thermal decomposition of C ₂ H ₄ on Rh{111} and Rh{331}. <i>Surface Science</i> , 1990, 230, 35-46.	1.9	24
34	Microfabrication of Bubbular Cavities in PDMS for Cell Sorting and Microcell Culture Applications. <i>Journal of Bionic Engineering</i> , 2008, 5, 308-316.	5.0	22
35	Quantification of human skin barrier function and susceptibility to quantum dot skin penetration. <i>Nanotoxicology</i> , 2011, 5, 675-686.	3.0	22
36	Photoinduced fluorescence enhancement and energy transfer effects of quantum dots porous silicon. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 1729-1735.	0.8	20

#	ARTICLE	IF	CITATIONS
37	Label-Free Optical Detection of Peptide Synthesis on a Porous Silicon Scaffold/Sensor. Langmuir, 2008, 24, 2908-2915.	3.5	18
38	Detection of the Cancer Marker CD146 Expression in Melanoma Cells with Semiconductor Quantum Dot Label. Journal of Biomedical Nanotechnology, 2010, 6, 303-311.	1.1	17
39	Velocity dependence of azimuthal anisotropies in ion scattering from rhodium {111}. Surface Science, 1985, 154, 22-34.	1.9	16
40	The influence of surface atomic steps on site-selective adsorption processes. Ethylidyne formation on rhodium{111} and rhodium{331}. Journal of the American Chemical Society, 1987, 109, 6873-6875.	13.7	16
41	Amorphous silicon dioxide nanoparticles modulate immune responses in a model of allergic contact dermatitis. Scientific Reports, 2019, 9, 5085.	3.3	16
42	Near-IR fluorescence and reflectance confocal microscopy for imaging of quantum dots in mammalian skin. Biomedical Optics Express, 2011, 2, 1610.	2.9	14
43	Salivary Gland Tissue Engineering Approaches: State of the Art and Future Directions. Cells, 2021, 10, 1723.	4.1	13
44	Enhancement of the evanescent field using polymer waveguides fabricated by deep UV exposure on mesoporous silicon. Optics Letters, 2007, 32, 2843.	3.3	12
45	Quantitative analysis of spherical microbubble cavity array formation in thermally cured polydimethylsiloxane for use in cell sorting applications. Biomedical Microdevices, 2014, 16, 55-67.	2.8	12
46	In vivo quantification of quantum dot systemic transport in C57BL/6 hairless mice following skin application post-ultraviolet radiation. Particle and Fibre Toxicology, 2017, 14, 12.	6.2	12
47	Characterization of cell seeding and specific capture of B cells in microbubble well arrays. Biomedical Microdevices, 2013, 15, 453-463.	2.8	10
48	The Cytotoxicity of OPA-Modified CdSe/ZnS Core/Shell Quantum Dots and Its Modulation by Silibinin in Human Skin Cells. Journal of Biomedical Nanotechnology, 2011, 7, 648-658.	1.1	9
49	Microbubble array diffusion assay for the detection of cell secreted factors. Lab on A Chip, 2014, 14, 3640-3650.	6.0	9
50	In vitro assays for determining the metastatic potential of melanoma cell lines with characterized in vivo invasiveness. Biomedical Microdevices, 2016, 18, 89.	2.8	9
51	Progress and Challenges in Quantifying Skin Permeability to Nanoparticles Using a Quantum Dot Model. Journal of Biomedical Nanotechnology, 2010, 6, 596-604.	1.1	9
52	UVB Dependence of Quantum Dot Reactive Oxygen Species Generation in Common Skin Cell Models. Journal of Biomedical Nanotechnology, 2015, 11, 1644-1652.	1.1	8
53	Increased in vivo skin penetration of quantum dots with UVR and in vitro quantum dot cytotoxicity. , 2009, , .		7
54	The impact of UVB exposure and differentiation state of primary keratinocytes on their interaction with quantum dots. Nanotoxicology, 2013, 7, 1244-1254.	3.0	7

#	ARTICLE	IF	CITATIONS
55	Encapsulation of Primary Salivary Gland Acinar Cell Clusters and Intercalated Ducts (AIDUCs) within Matrix Metalloproteinase (MMP)-Degradable Hydrogels to Maintain Tissue Structure and Function. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101948.	7.6	7
56	Design of a hybrid amine functionalized polyacrylamide hydrogel-porous silicon optical sensor. , 2009, , .		4
57	Breaching Epithelial Barriers – Physicochemical Factors Impacting Nanomaterial Translocation and Toxicity. <i>Nanostructure Science and Technology</i> , 2009, , 33-62.	0.1	4
58	Dynamical study of the Ar+ ion-enhanced Cl ₂ /GaAs s(110) etch rate phenomenon. <i>Vacuum</i> , 1992, 43, 1083-1085.	3.5	3
59	Development and characterization of antibody reagents for detecting nanoparticles. <i>Nanoscale</i> , 2015, 7, 20042-20054.	5.6	3
60	Identifying drug resistant cancer cells using microbubble well arrays. <i>Biomedical Microdevices</i> , 2017, 19, 17.	2.8	3
61	Morphology-Dependent Titanium Dioxide Nanoparticle-Induced Keratinocyte Toxicity And Exacerbation Of Allergic Contact Dermatitis. <i>Toxicology Current Research</i> , 2020, 4, 1-7.	0.2	3
62	Reusable linking chemistry for His-tagged proteins in an affinity-based porous silicon biosensor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1299-1305.	1.8	2
63	Hybrid nanoporous silicon optical biosensor architectures for biological sample analysis. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
64	Optimizing Soluble Cues for Salivary Gland Tissue Mimetics Using a Design of Experiments (DoE) Approach. <i>Cells</i> , 2022, 11, 1962.	4.1	2
65	Optical Detection of Polyacrylamide Swelling Behavior in a Porous Silicon Sensor. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1133, 1.	0.1	1
66	Silicon Nanomembrane Filtration and Imaging for the Evaluation of Microplastic Entrainment along a Municipal Water Delivery Route. <i>Sustainability</i> , 2020, 12, 10655.	3.2	1
67	Microsystems technology for high-throughput single-cell sorting. , 2019, , 701-719.		0
68	The UVR Filter Octinoxate Modulates Aryl Hydrocarbon Receptor Signaling in Keratinocytes via Inhibition of CYP1A1 and CYP1B1. <i>Toxicological Sciences</i> , 2020, 177, 188-201.	3.1	0
69	Further studies in translatable model systems are needed to predict the impacts of human microplastic exposure. <i>Open Access Journal of Toxicology</i> , 2020, 4, 79-82.	0.3	0