

Duncan S Sutherland

List of Publications by Year in descending order

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156
papers

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30047

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158
all docs

158
docs citations

158
times ranked

14921
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Properties of Gold Nanorings. <i>Physical Review Letters</i> , 2003, 90, 057401.	2.9	969
2	Sensing Characteristics of NIR Localized Surface Plasmon Resonances in Gold Nanorings for Application as Ultrasensitive Biosensors. <i>Nano Letters</i> , 2007, 7, 1256-1263.	4.5	685
3	Toxicity of silver nanoparticles—Nanoparticle or silver ion?. <i>Toxicology Letters</i> , 2012, 208, 286-292.	0.4	661
4	Hole—Mask Colloidal Lithography. <i>Advanced Materials</i> , 2007, 19, 4297-4302.	11.1	516
5	Nanoscale features influence epithelial cell morphology and cytokine production. <i>Biomaterials</i> , 2003, 24, 3427-3436.	5.7	335
6	Optical Properties of Short Range Ordered Arrays of Nanometer Gold Disks Prepared by Colloidal Lithography. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5768-5772.	1.2	325
7	Osteoprogenitor response to semi-ordered and random nanotopographies. <i>Biomaterials</i> , 2006, 27, 2980-2987.	5.7	309
8	Optical Spectroscopy of Nanometric Holes in Thin Gold Films. <i>Nano Letters</i> , 2004, 4, 1003-1007.	4.5	280
9	Control of nanoparticle film structure for colloidal lithography. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 214, 23-36.	2.3	274
10	Localized Surface Plasmon Resonance Sensing of Lipid-Membrane-Mediated Biorecognition Events. <i>Journal of the American Chemical Society</i> , 2005, 127, 5043-5048.	6.6	272
11	Protein Adsorption on Model Surfaces with Controlled Nanotopography and Chemistry. <i>Langmuir</i> , 2002, 18, 819-828.	1.6	264
12	Plasmonic Sensing Characteristics of Single Nanometric Holes. <i>Nano Letters</i> , 2005, 5, 2335-2339.	4.5	248
13	Changes in fibroblast morphology in response to nano-columns produced by colloidal lithography. <i>Biomaterials</i> , 2004, 25, 5415-5422.	5.7	223
14	Shedding light on dark plasmons in gold nanorings. <i>Chemical Physics Letters</i> , 2008, 458, 262-266.	1.2	215
15	Enhanced Nanoplasmonic Optical Sensors with Reduced Substrate Effect. <i>Nano Letters</i> , 2008, 8, 3893-3898.	4.5	212
16	Antimicrobial Effect of Chitosan Nanoparticles on <i>Streptococcus mutans</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3892-3895.	1.4	183
17	Fast intracellular dissolution and persistent cellular uptake of silver nanoparticles in CHO-K1 cells: implication for cytotoxicity. <i>Nanotoxicology</i> , 2015, 9, 181-189.	1.6	159
18	Coherent imaging of nanoscale plasmon patterns with a carbon nanotube optical probe. <i>Applied Physics Letters</i> , 2003, 83, 368-370.	1.5	157

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19	Soft Interactions at Nanoparticles Alter Protein Function and Conformation in a Size Dependent Manner. <i>Nano Letters</i> , 2011, 11, 4985-4991.	4.5	157
20	Limit-test toxicity screening of selected inorganic nanoparticles to the earthworm <i>Eisenia fetida</i> . <i>Ecotoxicology</i> , 2011, 20, 226-233.	1.1	152
21	Use of nanotopography to study mechanotransduction in fibroblasts – methods and perspectives. <i>European Journal of Cell Biology</i> , 2004, 83, 159-169.	1.6	146
22	Dynamic protein coronas revealed as a modulator of silver nanoparticle sulphidation in vitro. <i>Nature Communications</i> , 2016, 7, 11770.	5.8	136
23	Response of rat osteoblast-like cells to microstructured model surfaces in vitro. <i>Biomaterials</i> , 2003, 24, 649-654.	5.7	135
24	Viscoelastic Modeling of Highly Hydrated Laminin Layers at Homogeneous and Nanostructured Surfaces: Quantification of Protein Layer Properties Using QCM-D and SPR. <i>Langmuir</i> , 2007, 23, 9760-9768.	1.6	135
25	Quantitative assessment of the response of primary derived human osteoblasts and macrophages to a range of nanotopography surfaces in a single culture model in vitro. <i>Biomaterials</i> , 2003, 24, 4799-4818.	5.7	133
26	Gold-Silica-Gold Nanosandwiches: Tunable Bimodal Plasmonic Resonators. <i>Small</i> , 2007, 3, 294-299.	5.2	131
27	Attempted endocytosis of nano-environment produced by colloidal lithography by human fibroblasts. <i>Experimental Cell Research</i> , 2004, 295, 387-394.	1.2	129
28	Large Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars. <i>Advanced Optical Materials</i> , 2017, 5, 1700552.	3.6	126
29	Large Area Protein Nanopatterning for Biological Applications. <i>Nano Letters</i> , 2006, 6, 1165-1171.	4.5	125
30	A Novel Approach To Produce Biologically Relevant Chemical Patterns at the Nanometer Scale: Selective Molecular Assembly Patterning Combined with Colloidal Lithography. <i>Langmuir</i> , 2002, 18, 8580-8586.	1.6	124
31	Global Gene Expression Profiling of Human Lung Epithelial Cells After Exposure to Nanosilver. <i>Toxicological Sciences</i> , 2012, 130, 145-157.	1.4	124
32	Mapping and identification of soft corona proteins at nanoparticles and their impact on cellular association. <i>Nature Communications</i> , 2020, 11, 4535.	5.8	122
33	Silicone Transfer during Microcontact Printing. <i>Langmuir</i> , 2003, 19, 5475-5483.	1.6	121
34	The effects of continuous and discontinuous groove edges on cell shape and alignment. <i>Experimental Cell Research</i> , 2003, 288, 177-188.	1.2	114
35	Multi-platform genotoxicity analysis of silver nanoparticles in the model cell line CHO-K1. <i>Toxicology Letters</i> , 2013, 222, 55-63.	0.4	103
36	Cell adhesion on supported lipid bilayers. <i>Journal of Biomedical Materials Research - Part A</i> , 2003, 64A, 622-629.	2.1	100

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37	Fibroblast response to a controlled nanoenvironment produced by colloidal lithography. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 69A, 314-322.	3.0	100
38	Earthworms and Humans in Vitro: Characterizing Evolutionarily Conserved Stress and Immune Responses to Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2012, 46, 4166-4173.	4.6	96
39	Nanomechanotransduction and Interphase Nuclear Organization influence on genomic control. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 1234-1244.	1.2	93
40	Large Area Protein Patterning Reveals Nanoscale Control of Focal Adhesion Development. <i>Nano Letters</i> , 2010, 10, 686-694.	4.5	88
41	The Nanoscale Geometrical Maturation of Focal Adhesions Controls Stem Cell Differentiation and Mechanotransduction. <i>Nano Letters</i> , 2014, 14, 3945-3952.	4.5	87
42	Influence of systematically varied nanoscale topography on the morphology of epithelial cells. <i>IEEE Transactions on Nanobioscience</i> , 2003, 2, 49-57.	2.2	86
43	Spatial Mapping and Quantification of Soft and Hard Protein Coronas at Silver Nanocubes. <i>Nano Letters</i> , 2014, 14, 2086-2093.	4.5	85
44	Influence of Nanoscale Surface Topography and Chemistry on the Functional Behaviour of an Adsorbed Model Macromolecule. <i>Macromolecular Bioscience</i> , 2001, 1, 270-273.	2.1	83
45	Polydopamine/Liposome Coatings and Their Interaction with Myoblast Cells. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2142-2147.	4.0	83
46	Biodegradable nanocarriers based on chitosan-modified mesoporous silica nanoparticles for delivery of methotrexate for application in breast cancer treatment. <i>Materials Science and Engineering C</i> , 2021, 118, 111526.	3.8	83
47	Fabrication of Nanostructured Polymer Surfaces Using Colloidal Lithography and Spin-Coating. <i>Nano Letters</i> , 2002, 2, 1419-1425.	4.5	75
48	Species Differences Take Shape at Nanoparticles: Protein Corona Made of the Native Repertoire Assists Cellular Interaction. <i>Environmental Science & Technology</i> , 2013, 47, 14367-14375.	4.6	75
49	Fibronectin adsorption on gold, Ti-, and Ta-oxide investigated by QCM-D and RSA modelling. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 110-116.	5.0	73
50	Nanostructured model biomaterial surfaces prepared by colloidal lithography. <i>Scripta Materialia</i> , 1999, 12, 429-432.	0.5	70
51	Surface analysis of titanium implants. <i>Biomaterials</i> , 1993, 14, 893-899.	5.7	68
52	Ultrafast Vibrations of Gold Nanorings. <i>Nano Letters</i> , 2011, 11, 3893-3898.	4.5	67
53	Multifunctional Biosensor Based on Localized Surface Plasmon Resonance for Monitoring Small Molecule-Protein Interaction. <i>ACS Nano</i> , 2014, 8, 7958-7967.	7.3	60
54	Focal Complex Maturation and Bridging on 200 nm Vitronectin but Not Fibronectin Patches Reveal Different Mechanisms of Focal Adhesion Formation. <i>Nano Letters</i> , 2011, 11, 2264-2271.	4.5	58

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55	Enhanced refractive index sensitivity of elevated short-range ordered nanohole arrays in optically thin plasmonic Au films. <i>Optics Express</i> , 2013, 21, 14763.	1.7	57
56	Nanostructured Cell Adhesive and Cell Repulsive Plasma Deposited Coatings: Chemical and Topographical Effects on Keratinocyte Adhesion. <i>Plasma Processes and Polymers</i> , 2008, 5, 540-551.	1.6	52
57	Study of Staphylococcus Aureus Adhesion on a Novel Nanostructured Surface by Chemiluminometry. <i>International Journal of Artificial Organs</i> , 2006, 29, 622-630.	0.7	50
58	Metal Enhanced 1270 nm Singlet Oxygen Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6025-6027.	7.2	50
59	Antimicrobial Mechanism of Monocaprylate. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2957-2965.	1.4	50
60	Nanoscale Chemical Patterns Fabricated by Using Colloidal Lithography and Self-Assembled Monolayers. <i>Langmuir</i> , 2004, 20, 9335-9339.	1.6	47
61	pH-Dependent Adsorption and Conformational Change of Ferritin Studied on Metal Oxide Surfaces by a Combination of QCM-D and AFM. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4180-4186.	1.5	47
62	From Rings to Crescents: A Novel Fabrication Technique Uncovers the Transition Details. <i>Nano Letters</i> , 2013, 13, 1216-1220.	4.5	47
63	pH Landscapes in a Novel Five-Species Model of Early Dental Biofilm. <i>PLoS ONE</i> , 2011, 6, e25299.	1.1	46
64	Influence of phase separating lipids on supported lipid bilayer formation at SiO ₂ surfaces. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 453-460.	1.3	43
65	Poly(vinyl alcohol) Physical Hydrogels: Noncryogenic Stabilization Allows Nano- and Microscale Materials Design. <i>Langmuir</i> , 2011, 27, 10216-10223.	1.6	43
66	Myoblast Cell Interaction with Polydopamine Coated Liposomes. <i>Biointerphases</i> , 2012, 7, 8.	0.6	43
67	Development of a Label-Free LSPR-Apta Sensor for <i>Staphylococcus aureus</i> Detection. <i>ACS Applied Bio Materials</i> , 2020, 3, 3066-3077.	2.3	42
68	Influence of Polydispersity on Adsorption of Nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2001, 241, 26-31.	5.0	41
69	A saliva molecular imprinted localized surface plasmon resonance biosensor for wine astringency estimation. <i>Food Chemistry</i> , 2017, 233, 457-466.	4.2	36
70	Electrochemical DNA sandwich assay with a lipase label for attomole detection of DNA. <i>Chemical Communications</i> , 2010, 46, 1836-1838.	2.2	35
71	Biological effects induced by BSA-stabilized silica nanoparticles in mammalian cell lines. <i>Chemico-Biological Interactions</i> , 2013, 204, 28-38.	1.7	35
72	In vitro and in vivo response to nanotopographically-modified surfaces of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and polycaprolactone. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 1405-1423.	1.9	34

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73	Activation of laccase bioelectrocatalysis of O ₂ reduction to H ₂ O by carbon nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2012, 667, 11-18.	1.9	34
74	Unprecedented Thermal Stability of Plasmonic Titanium Nitride Films up to 1400 Å°C. <i>Advanced Optical Materials</i> , 2021, 9, 2100323.	3.6	34
75	Group analysis of regulation of fibroblast genome on low-adhesion nanostructures. <i>Biomaterials</i> , 2007, 28, 1761-1769.	5.7	33
76	Influence of Nanotopography on Phospholipid Bilayer Formation on Silicon Dioxide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5175-5181.	1.2	33
77	Light scattering in gold nanorings. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2004, 89, 11-16.	1.1	32
78	Female versus male biological identities of nanoparticles determine the interaction with immune cells in fish. <i>Environmental Science: Nano</i> , 2017, 4, 895-906.	2.2	31
79	Nanostructured biointerfaces. <i>Materials Science and Engineering C</i> , 2006, 26, 911-917.	3.8	30
80	Plant Polyphenols Inhibit Functional Amyloid and Biofilm Formation in <i>Pseudomonas</i> Strains by Directing Monomers to Off-Pathway Oligomers. <i>Biomolecules</i> , 2019, 9, 659.	1.8	30
81	Onset of Bonding Plasmon Hybridization Preceded by Gap Modes in Dielectric Splitting of Metal Disks. <i>Nano Letters</i> , 2013, 13, 6033-6039.	4.5	28
82	Molecular Imprinting of Complex Matrices at Localized Surface Plasmon Resonance Biosensors for Screening of Global Interactions of Polyphenols and Proteins. <i>ACS Sensors</i> , 2016, 1, 258-264.	4.0	28
83	Increased Refractive Index Sensitivity by Circular Dichroism Sensing through Reduced Substrate Effect. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7347-7355.	1.5	28
84	Surfactant Protein SP-B Strongly Modifies Surface Collapse of Phospholipid Vesicles: Insights from a Quartz Crystal Microbalance with Dissipation. <i>Biophysical Journal</i> , 2009, 97, 768-776.	0.2	27
85	Formation of Supported Lipid Bilayers at Surfaces with Controlled Curvatures: Influence of Lipid Charge. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7838-7848.	1.2	26
86	Growth characteristics of inclined columns produced by Glancing Angle Deposition (GLAD) and colloidal lithography. <i>Applied Surface Science</i> , 2011, 257, 2226-2230.	3.1	26
87	Nanosilver pathophysiology in earthworms: Transcriptional profiling of secretory proteins and the implication for the protein corona. <i>Nanotoxicology</i> , 2016, 10, 303-311.	1.6	26
88	A robust method of determination of high concentrations of peptides and proteins. <i>Analytical Biochemistry</i> , 2009, 395, 111-112.	1.1	24
89	Differential integrin expression regulates cell sensing of the matrix nanoscale geometry. <i>Acta Biomaterialia</i> , 2017, 50, 280-292.	4.1	24
90	Chiral plasmonic nanocrescents: large-area fabrication and optical properties. <i>Optics Express</i> , 2018, 26, 27101.	1.7	23

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91	Osteopontin Reduces Biofilm Formation in a Multi-Species Model of Dental Biofilm. PLoS ONE, 2012, 7, e41534.	1.1	23
92	Plasmonic Fluorescence Enhancement of DBMBF2 Monomers and DBMBF2-Toluene Exciplexes using Al-Hole Arrays. Journal of Physical Chemistry C, 2014, 118, 2138-2145.	1.5	22
93	The toxic effects of single-walled carbon nanotubes are linked to the phagocytic ability of cells. Toxicology Research, 2014, 3, 228.	0.9	22
94	Surface Physicochemistry and Ionic Strength Affects eDNA's Role in Bacterial Adhesion to Abiotic Surfaces. PLoS ONE, 2014, 9, e105033.	1.1	22
95	Quantifying Protein Adsorption and Function at Nanostructured Materials: Enzymatic Activity of Glucose Oxidase at GLAD Structured Electrodes. Langmuir, 2012, 28, 11106-11114.	1.6	21
96	Patterning colloidal monolayer films using microcontact particle stripping. Nanotechnology, 2007, 18, 205303.	1.3	20
97	Optimum plasmon hybridization at percolation threshold of silver films near metallic surfaces. Journal Physics D: Applied Physics, 2010, 43, 405301.	1.3	20
98	Spectrally selective emitters based on 3D Mo nanopillars for thermophotovoltaic energy harvesting. Materials Today Physics, 2021, 21, 100503.	2.9	20
99	<i>In vivo</i> percutaneous permeation of gold nanomaterials in consumer cosmetics: implication in dermal safety assessment of consumer nanoproducts. Nanotoxicology, 2021, 15, 131-144.	1.6	20
100	Microcup Arrays Featuring Multiple Chemical Regions Patterned with Nanoscale Precision. Advanced Materials, 2011, 23, 1876-1881.	11.1	19
101	Complex protein nanopatterns over large areas via colloidal lithography. Acta Biomaterialia, 2013, 9, 6158-6168.	4.1	19
102	Transparent Aggregates of Nanocrystalline Hydroxyapatite. Crystal Growth and Design, 2014, 14, 6343-6349.	1.4	19
103	Oxidation controlled lift-off of 3D chiral plasmonic Au nano-hooks. Nano Research, 2019, 12, 1635-1642.	5.8	19
104	Patterning and modification of PDMS surface through laser micromachining of silicon masters and molding. Applied Physics A: Materials Science and Processing, 2005, 81, 51-56.	1.1	18
105	Synthesis of Functional Nanomaterials via Colloidal Mask Templating and Glancing Angle Deposition (GLAD). Advanced Engineering Materials, 2010, 12, 899-905.	1.6	18
106	Plasmon Hybridization in Stacked Double Gold Nanorings with Reduced Symmetry. Small, 2008, 4, 1630-1634.	5.2	17
107	Metal nanoparticle-enhanced radiative transitions: Giving singlet oxygen emission a boost. Pure and Applied Chemistry, 2011, 83, 885-898.	0.9	17
108	Combinatorial Biomolecular Nanopatterning for High-Throughput Screening of Stem Cell Behavior. Advanced Materials, 2016, 28, 1472-1476.	11.1	17

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109	Copper plasmonic metamaterial glazing for directional thermal energy management. <i>Materials and Design</i> , 2020, 188, 108407.	3.3	17
110	Nanofabrication of Polymer Surfaces Utilizing Colloidal Lithography and Ion Etching. <i>IEEE Transactions on Nanobioscience</i> , 2006, 5, 9-14.	2.2	16
111	Chitosan Nanoparticles Affect the Acid Tolerance Response in Adhered Cells of <i>Streptococcus mutans</i> . <i>Caries Research</i> , 2011, 45, 501-505.	0.9	16
112	Plasmon Hybridization and Field Confinement in Multilayer Metal-Dielectric Nanocups. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15782-15789.	1.5	16
113	Exploring plasmonic coupling in hole-cap arrays. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1-10.	1.5	16
114	Co-delivery of STAT3 siRNA and methotrexate in breast cancer cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2022, 50, 29-39.	1.9	16
115	Human Fibroblast and Human Bone Marrow Cell Response to Lithographically Nanopatterned Adhesive Domains on Protein Rejecting Substrates. <i>IEEE Transactions on Nanobioscience</i> , 2007, 6, 201-209.	2.2	15
116	Effect of Osteopontin on the Initial Adhesion of Dental Bacteria. <i>Journal of Natural Products</i> , 2012, 75, 2108-2112.	1.5	15
117	Nanoscale E-Cadherin Ligand Patterns Show Threshold Size for Cellular Adhesion and Adherence Junction Formation. <i>Nano Letters</i> , 2012, 12, 2129-2133.	4.5	15
118	Protein Adsorption at Nanopatterned Surfaces Studied by Quartz Crystal Microbalance with Dissipation and Surface Plasmon Resonance. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10376-10383.	1.2	15
119	Conformational control of human transferrin covalently anchored to carbon-coated iron nanoparticles in presence of a magnetic field. <i>Acta Biomaterialia</i> , 2016, 45, 367-374.	4.1	15
120	Inhibitors of α -Synuclein Fibrillation and Oligomer Toxicity in <i>Rosa damascena</i> : The All-Pervading Powers of Flavonoids and Phenolic Glycosides. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3161-3173.	1.7	15
121	Osteopontin presentation affects cell adhesion—Influence of underlying surface chemistry and nanopatterning of osteopontin. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 518-530.	2.1	14
122	Multiple Protective Roles of Nanoliposome-Incorporated Baicalein against Alpha-Synuclein Aggregates. <i>Advanced Functional Materials</i> , 2021, 31, 2007765.	7.8	14
123	Harmonic generation in transition metal dichalcogenides and their heterostructures. <i>Materials Today</i> , 2021, 50, 570-586.	8.3	14
124	Podosome Formation and Development in Monocytes Restricted by the Nanoscale Spatial Distribution of ICAM1. <i>Nano Letters</i> , 2016, 16, 2114-2121.	4.5	13
125	Nanopattern Gradients for Cell Studies Fabricated Using Hole-Mask Colloidal Lithography. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14975-14979.	4.0	12
126	Tracing the <i>In Vivo</i> Fate of Nanoparticles with a Non-Self-Biological Identity. <i>ACS Nano</i> , 2020, 14, 10666-10679.	7.3	12

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127	Optical Label-Free Nanoplasmonic Biosensing Using a Vertical-Cavity Surface-Emitting Laser and Charge-Coupled Device. <i>Analytical Chemistry</i> , 2010, 82, 1535-1539.	3.2	11
128	Plasmon Hybridization in Silver Nanoislands as Semishells Arrays Coupled to a Thin Metallic Film. <i>Plasmonics</i> , 2011, 6, 419-425.	1.8	11
129	Water-in-Oil Microemulsion Enhances the Secondary Structure of a Protein by Confinement. <i>ChemPhysChem</i> , 2012, 13, 3179-3184.	1.0	11
130	Versatile multiple protein nanopatterning within a microfluidic channel for cell recruitment studies. <i>Lab on A Chip</i> , 2015, 15, 4524-4532.	3.1	11
131	Extrinsic chirality of non-concentric plasmonic nanorings. <i>Optical Materials Express</i> , 2017, 7, 3715.	1.6	11
132	Implementation of cross-linked enzyme aggregates of proteases for marine paint applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 7626.	6.7	9
133	High speed friction microscopy and nanoscale friction coefficient mapping. <i>Measurement Science and Technology</i> , 2014, 25, 115401.	1.4	9
134	Direct modification of colloidal hole-masks for locally ordered hetero-assemblies of nanostructures over large areas. <i>Nanoscale</i> , 2014, 6, 731-735.	2.8	9
135	Nanoparticle Adsorption on Antifouling Polymer Brushes. <i>Langmuir</i> , 2019, 35, 14879-14889.	1.6	9
136	Rosmarinic acid inhibits programmed cell death in <i>Solanum tuberosum</i> L. calli under high salinity. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 54-65.	2.8	9
137	A Protein Corona Modulates Interactions of α -Synuclein with Nanoparticles and Alters the Rates of the Microscopic Steps of Amyloid Formation. <i>ACS Nano</i> , 2022, 16, 1102-1118.	7.3	9
138	Calcium-phosphate-osteopontin particles for caries control. <i>Biofouling</i> , 2016, 32, 349-357.	0.8	8
139	Characterization of DNA-protein complexes by nanoparticle tracking analysis and their association with systemic lupus erythematosus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
140	Adsorption and enzymatic cleavage of osteopontin at interfaces with different surface chemistries. <i>Biointerphases</i> , 2009, 4, 47-55.	0.6	6
141	C1q recognizes antigen-bound IgG in a curvature-dependent manner. <i>Nano Research</i> , 2020, 13, 1651-1658.	5.8	5
142	Protein Ligand Nanopattern Size Selects for Cellular Adhesion via Hemidesmosomes over Focal Adhesions. <i>Small Methods</i> , 2022, 6, e2200152.	4.6	5
143	Mannanase Transfer into Hexane and Xylene by Liquid-Liquid Extraction. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 1124-1129.	1.4	4
144	Protein-polyphenol interaction on silica beads for astringency tests based on eye, photography or reflectance detection modes. <i>Analytical Methods</i> , 2013, 5, 2694.	1.3	4

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145	Direct Integration of Few-Layer MoS ₂ at Plasmonic Au Nanostructure by Substrate-Diffusion Delivered Mo. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902093.	1.9	4
146	Advanced bioengineering of male germ stem cells to preserve fertility. <i>Journal of Tissue Engineering</i> , 2021, 12, 204173142110605.	2.3	4
147	The Role of Nanoscale Distribution of Fibronectin in the Adhesion of <i>Staphylococcus aureus</i> Studied by Protein Patterning and DNA-PAINT. <i>ACS Nano</i> , 2022, 16, 10392-10403.	7.3	4
148	Hierarchical protein patterning by meso to molecular scale self-assembly. <i>Nanotechnology</i> , 2015, 26, 415302.	1.3	3
149	Thermophotovoltaics: Large-Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars (<i>Advanced Optical Materials</i> 22/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	3.6	3
150	Influence of Nanoscale Surface Topography and Chemistry on the Functional Behaviour of an Adsorbed Model Macromolecule. <i>Macromolecular Bioscience</i> , 2001, 1, 270-273.	2.1	3
151	Supported Lipid Bilayers With Controlled Curvature via Colloidal Lithography. <i>IEEE Transactions on Nanobioscience</i> , 2011, 10, 187-193.	2.2	2
152	Activation of Cellobiose Dehydrogenase Bioelectrocatalysis by Carbon Nanoparticles. <i>ChemElectroChem</i> , 2019, 6, 5032-5040.	1.7	2
153	Effect of silver and silica nanoparticles on gene expression in A549 cells. <i>Toxicology Letters</i> , 2012, 211, S40.	0.4	0
154	Engineering 3D Multi-Branched Nanostructures for Ultra- Sensing Applications. , 2018, , .		0
155	Dynamic Modulation of Plasmonic Structures. <i>Journal of Self-Assembly and Molecular Electronics (SAME)</i> , 2019, 7, 1-22.	0.0	0
156	Under-Etched Plasmonic Disks on Indium Tin Oxide for Enhanced Refractive Index Sensing on a Combined Electrochemical and Optical Platform. <i>Materials</i> , 2020, 13, 853.	1.3	0