

Bradley P Duncan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,933
citations

22
h-index

40
g-index

40
ext. papers

2,150
ext. citations

9.6
avg, IF

4.62
L-index

#	Paper	IF	Citations
40	Gold nanoparticle platforms as drug and biomacromolecule delivery systems. <i>Journal of Controlled Release</i> , 2010 , 148, 122-127	11.7	355
39	Supramolecular regulation of bioorthogonal catalysis in cells using nanoparticle-embedded transition metal catalysts. <i>Nature Chemistry</i> , 2015 , 7, 597-603	17.6	300
38	The Interplay of Size and Surface Functionality on the Cellular Uptake of Sub-10 nm Gold Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 9986-93	16.7	250
37	Nanoparticle-Stabilized Capsules for the Treatment of Bacterial Biofilms. <i>ACS Nano</i> , 2015 , 9, 7775-82	16.7	134
36	Triggered Nanoparticles as Therapeutics. <i>Nano Today</i> , 2013 , 8, 439-447	17.9	90
35	Beauty is skin deep: a surface monolayer perspective on nanoparticle interactions with cells and bio-macromolecules. <i>Small</i> , 2011 , 7, 1903-18	11	69
34	Co-delivery of protein and small molecule therapeutics using nanoparticle-stabilized nanocapsules. <i>Bioconjugate Chemistry</i> , 2015 , 26, 950-4	6.3	65
33	Detection of bacteria using inkjet-printed enzymatic test strips. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19525-30	9.5	60
32	Direct cytosolic delivery of siRNA using nanoparticle-stabilized nanocapsules. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 506-10	16.4	42
31	Bacteriophage-based nanoprobe for rapid bacteria separation. <i>Nanoscale</i> , 2015 , 7, 16230-6	7.7	39
30	Immobilization and stabilization of lipase (CaLB) through hierarchical interfacial assembly. <i>Biomacromolecules</i> , 2014 , 15, 3915-22	6.9	39
29	Targeting bacterial biofilms via surface engineering of gold nanoparticles. <i>RSC Advances</i> , 2015 , 5, 105551-105559	3.7	34
28	A Multichannel Biosensor for Rapid Determination of Cell Surface Glycomic Signatures. <i>ACS Central Science</i> , 2015 , 1, 191-197	16.8	32
27	Progress Toward Diamond Power Field-Effect Transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1800681	1.6	32
26	Sensing by Smell: Nanoparticle-Enzyme Sensors for Rapid and Sensitive Detection of Bacteria with Olfactory Output. <i>ACS Nano</i> , 2017 , 11, 5339-5343	16.7	30
25	Reusable biocatalytic crosslinked microparticles self-assembled from enzyme-nanoparticle complexes. <i>Chemical Communications</i> , 2011 , 47, 12077-9	5.8	30
24	Regulating exocytosis of nanoparticles via host-guest chemistry. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 2474-2479	3.9	27

23	Immunomodulatory effects of coated gold nanoparticles in LPS-stimulated and murine model systems. <i>CheM</i> , 2016 , 1, 320-327	16.2	27
22	Enhanced Laser Desorption/Ionization Mass Spectrometric Detection of Biomolecules Using Gold Nanoparticles, Matrix, and the Coffee Ring Effect. <i>Analytical Chemistry</i> , 2017 , 89, 3009-3014	7.8	26
21	Inkjet-printed gold nanoparticle surfaces for the detection of low molecular weight biomolecules by laser desorption/ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 1931-7	3.5	25
20	Fabrication of Robust Protein Films Using Nanoimprint Lithography. <i>Advanced Materials</i> , 2015 , 27, 6251-54	5.4	23
19	Rapid coating of surfaces with functionalized nanoparticles for regulation of cell behavior. <i>Advanced Materials</i> , 2014 , 26, 3310-4	24	23
18	Nanoparticle-dendrimer hybrid nanocapsules for therapeutic delivery. <i>Nanomedicine</i> , 2016 , 11, 1571-8	5.6	19
17	Evaluation of data processing and analysis approaches for fresco pigment studies by portable X-ray fluorescence spectrometry and portable Raman spectroscopy. <i>Analytical Methods</i> , 2011 , 3, 1061	3.2	17
16	Comparisons of ancient mortars and hydraulic cements through in situ analyses by portable X-ray fluorescence spectrometry. <i>X-Ray Spectrometry</i> , 2010 , 39, 146-153	0.9	17
15	Hybrid organic-inorganic colloidal composite 'sponges' via internal crosslinking. <i>Small</i> , 2015 , 11, 1302-9	11	15
14	Solubilization of Hydrophobic Catalysts Using Nanoparticle Hosts. <i>Small</i> , 2018 , 14, 1702198	11	15
13	Gradient and Patterned Protein Films Stabilized via Nanoimprint Lithography for Engineered Interactions with Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42-46	9.5	14
12	Direct Cytosolic Delivery of siRNA Using Nanoparticle-Stabilized Nanocapsules. <i>Angewandte Chemie</i> , 2015 , 127, 516-520	3.6	13
11	Biocidal and Antifouling Chlorinated Protein Films. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1862-1866	5.5	12
10	Enhanced Laser Desorption/Ionization Mass Spectrometric Detection of Gold Nanoparticles in Biological Samples Using the Synergy between Added Matrix and the Gold Core. <i>Analytical Chemistry</i> , 2015 , 87, 12145-50	7.8	11
9	Differentiation of Hypocaust and Floor Tiles at Coriglia, Castel Viscardo (Umbria, Italy) Using Principal Component Analysis (PCA) and Portable X-ray Fluorescence (XRF) Spectrometry. <i>Applied Spectroscopy</i> , 2012 , 66, 1005-1012	3.1	11
8	Preparation of 2 nm gold nanoparticles for in vitro and in vivo applications. <i>Methods in Molecular Biology</i> , 2013 , 1025, 3-8	1.4	11
7	Replenishable dendrimer-nanoparticle hybrid membranes for sustained release of therapeutics. <i>Nanoscale</i> , 2013 , 5, 7805-8	7.7	8
6	Beyond Biomarkers: Identifying Cell State using Unbiased Nanosensor Arrays. <i>Nano Today</i> , 2012 , 7, 228-230	3.0	8

5	Direct photopatterning of light-activated gold nanoparticles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14156		5
4	Demonstration of Environmentally Stable, Broadband Energy Dissipation via Multiple Metal Cross-Linked Glycerol Gels. <i>Advanced Functional Materials</i> , 2021 , 31, 2009118	15.6	4
3	A Low-Temperature Nickel Silicide Process for Wafer Bonding and High-Density Interconnects. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020 , 10, 908-916	1.7	1
2	Nanocomposites: Hybrid Organic/Inorganic Colloidal Composite Sponges Via Internal Crosslinking (Small 11/2015). <i>Small</i> , 2015 , 11, 1301-1301	11	
1	Sodium Metasilicate-Based Inorganic Composite for Heterogeneous Integration of Microsystems. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2021 , 11, 144-152	1.7	