David T Leong

List of Publications by Citations

153 papers	13,074 citations	63 h-index	112 g-index
172 ext. papers	14,810 ext. citations	11.3 avg, IF	6.92 L-index

#	Paper	IF	Citations
153	From aggregation-induced emission of Au(I)-thiolate complexes to ultrabright Au(0)@Au(I)-thiolate core-shell nanoclusters. *Journal of the American Chemical Society*, **2012**, 134, 16662-70	16.4	1067
152	Identification of a highly luminescent Au22(SG)18 nanocluster. *Journal of the American Chemical Society*, **2014**, 136, 1246-9	16.4	436
151	Nanotheranostics - application and further development of nanomedicine strategies for advanced theranostics. *Theranostics*, **2014**, 4, 660-77	12.1	413
150	Antimicrobial Gold Nanoclusters. *ACS Nano*, **2017**, 11, 6904-6910	16.7	352
149	Antimicrobial silver nanomaterials. *Coordination Chemistry Reviews*, **2018**, 357, 1-17	23.2	347
148	Ultrasmall Au(10-12)(SG)(10-12) nanomolecules for high tumor specificity and cancer radiotherapy. *Advanced Materials*, **2014**, 26, 4565-8	24	340
147	Titanium dioxide nanomaterials cause endothelial cell leakiness by disrupting the homophilic interaction of VE-cadherin. *Nature Communications*, **2013**, 4, 1673	17.4	326
146	Glutathione-protected silver nanoclusters as cysteine-selective fluorometric and colorimetric probe. *Analytical Chemistry*, **2013**, 85, 1913-9	7.8	279
145	Toward understanding the growth mechanism: tracing all stable intermediate species from reduction of Au(I)-thiolate complexes to evolution of Au□nanoclusters. *Journal of the American Chemical Society*, **2014**, 136, 10577-80	16.4	255
144	Nanoparticles promote in vivo breast cancer cell intravasation and extravasation by inducing endothelial leakiness. *Nature Nanotechnology*, **2019**, 14, 279-286	28.7	253
143	Antimicrobial Cluster Bombs: Silver Nanoclusters Packed with Daptomycin. *ACS Nano*, **2016**, 10, 7934-42	16.7	252
142	Understanding and exploiting nanoparticles' intimacy with the blood vessel and blood. *Chemical Society Reviews*, **2015**, 44, 8174-99	58.5	230
141	Balancing the rate of cluster growth and etching for gram-scale synthesis of thiolate-protected Au(25) nanoclusters with atomic precision. *Angewandte Chemie - International Edition*, **2014**, 53, 4623-7	16.4	229
140	Type 1 and 2 immunity following vaccination is influenced by nanoparticle size: formulation of a model vaccine for respiratory syncytial virus. *Molecular Pharmaceutics*, **2007**, 4, 73-84	5.6	216
139	Highly luminescent silver nanoclusters with tunable emissions: cyclic reduction□decomposition synthesis and antimicrobial properties. *NPG Asia Materials*, **2013**, 5, e39-e39	10.3	207
138	Directing Assembly and Disassembly of 2D MoS Nanosheets with DNA for Drug Delivery. *ACS Applied Materials & Interfaces*, **2017**, 9, 15286-15296	9.5	199
137	Ultrasmall glutathione-protected gold nanoclusters as next generation radiotherapy sensitizers with high tumor uptake and high renal clearance. *Scientific Reports*, **2015**, 5, 8669	4.9	183

136	Back to Basics: Exploiting the Innate Physico-chemical Characteristics of Nanomaterials for Biomedical Applications. *Advanced Functional Materials*, **2014**, 24, 5936-5955	15.6	180
135	Understanding seed-mediated growth of gold nanoclusters at molecular level. *Nature Communications*, **2017**, 8, 927	17.4	178
134	Highly Luminescent Thiolated Gold Nanoclusters Impregnated in Nanogel. *Chemistry of Materials*, **2016**, 28, 4009-4016	9.6	173
133	Nanoparticles strengthen intracellular tension and retard cellular migration. *Nano Letters*, **2014**, 14, 83-8	11.5	168
132	Lighting up thiolated Au@Ag nanoclusters via aggregation-induced emission. *Nanoscale*, **2014**, 6, 157-61	7.7	165
131	The role of the tumor suppressor p53 pathway in the cellular DNA damage response to zinc oxide nanoparticles. *Biomaterials*, **2011**, 32, 8218-25	15.6	161
130	Gold Nanoparticles Induced Endothelial Leakiness Depends on Particle Size and Endothelial Cell Origin. *ACS Nano*, **2017**, 11, 5020-5030	16.7	157
129	ANGPTL4 modulates vascular junction integrity by integrin signaling and disruption of intercellular VE-cadherin and claudin-5 clusters. *Blood*, **2011**, 118, 3990-4002	2.2	157
128	Low-Dimensional Transition Metal Dichalcogenide Nanostructures Based Sensors. *Advanced Functional Materials*, **2016**, 26, 7034-7056	15.6	156
127	Vaccines that facilitate antigen entry into dendritic cells. *Immunology and Cell Biology*, **2004**, 82, 506-16	5	154
126	Nanoparticles' interactions with vasculature in diseases. *Chemical Society Reviews*, **2019**, 48, 5381-5407	58.5	150
125	Nature-inspired DNA nanosensor for real-time in situ detection of mRNA in living cells. *ACS Nano*, **2015**, 9, 5609-17	16.7	142
124	The influence of lysosomal stability of silver nanomaterials on their toxicity to human cells. *Biomaterials*, **2014**, 35, 6707-15	15.6	138
123	The challenge to measure cell proliferation in two and three dimensions. *Tissue Engineering*, **2005**, 11, 182-91		134
122	Micropatterned matrix directs differentiation of human mesenchymal stem cells towards myocardial lineage. *Experimental Cell Research*, **2010**, 316, 1159-68	4.2	133
121	Engineering gold-based radiosensitizers for cancer radiotherapy. *Materials Horizons*, **2017**, 4, 817-831	14.4	132
120	Engineering Functional Metal Materials at the Atomic Level. *Advanced Materials*, **2018**, 30, e1802751	24	130
119	Nanoarchitectonics for Hybrid and Related Materials for Bio-Oriented Applications. *Advanced Functional Materials*, **2018**, 28, 1702905	15.6	130

118	Effect of zinc oxide nanomaterials-induced oxidative stress on the p53 pathway. *Biomaterials*, **2013**, 34, 10133-42	15.6	123
117	Ultrasmall Ag+-rich nanoclusters as highly efficient nanoreservoirs for bacterial killing. *Nano Research*, **2014**, 7, 301-307	10	121
116	Autocrine fibroblast growth factor 2 increases the multipotentiality of human adipose-derived mesenchymal stem cells. *Stem Cells*, **2008**, 26, 1598-608	5.8	118
115	Cellular processing and destinies of artificial DNA nanostructures. *Chemical Society Reviews*, **2016**, 45, 4199-225	58.5	114
114	Biophysical responses upon the interaction of nanomaterials with cellular interfaces. *Accounts of Chemical Research*, **2013**, 46, 782-91	24.3	111
113	Defect engineered bioactive transition metals dichalcogenides quantum dots. *Nature Communications*, **2019**, 10, 41	17.4	107
112	Nanoparticle Density: A Critical Biophysical Regulator of Endothelial Permeability. *ACS Nano*, **2017**, 11, 2764-2772	16.7	105
111	Mechanistic Investigation of the Biological Effects of SiO₂, TiO₂, and ZnO Nanoparticles on Intestinal Cells. *Small*, **2015**, 11, 3458-68	11	101
110	Tuning Endothelial Permeability with Functionalized Nanodiamonds. *ACS Nano*, **2016**, 10, 1170-81	16.7	101
109	Clinical Applications of Carbon Nanomaterials in Diagnostics and Therapy. *Advanced Materials*, **2018**, 30, e1802368	24	100
108	Novel theranostic DNA nanoscaffolds for the simultaneous detection and killing of Escherichia coli and Staphylococcus aureus. *ACS Applied Materials & Interfaces*, **2014**, 6, 21822-31	9.5	91
107	Exposure to titanium dioxide nanoparticles induces autophagy in primary human keratinocytes. *Small*, **2013**, 9, 387-92	11	90
106	Biomimicry 3D gastrointestinal spheroid platform for the assessment of toxicity and inflammatory effects of zinc oxide nanoparticles. *Small*, **2015**, 11, 702-12	11	87
105	Ultrabright organic dots with aggregation-induced emission characteristics for cell tracking. *Biomaterials*, **2014**, 35, 8669-77	15.6	84
104	MicroRNA-34c inversely couples the biological functions of the runt-related transcription factor RUNX2 and the tumor suppressor p53 in osteosarcoma. *Journal of Biological Chemistry*, **2013**, 288, 21307-21319	5.4	82
103	In vivo and ex vivo proofs of concept that cetuximab conjugated vitamin E TPGS micelles increases efficacy of delivered docetaxel against triple negative breast cancer. *Biomaterials*, **2015**, 63, 58-69	15.6	78
102	Nanoarchitectonics beyond Self-Assembly: Challenges to Create Bio-Like Hierarchic Organization. *Angewandte Chemie - International Edition*, **2020**, 59, 15424-15446	16.4	78
101	Targeting Endothelial Cell Junctions with Negatively Charged Gold Nanoparticles. *Chemistry of Materials*, **2018**, 30, 3759-3767	9.6	78

100	Surface Ligand Chemistry of Gold Nanoclusters Determines Their Antimicrobial Ability. *Chemistry of Materials*, **2018**, 30, 2800-2808	9.6	77
99	Nano-hydroxyapatite and nano-titanium dioxide exhibit different subcellular distribution and apoptotic profile in human oral epithelium. *ACS Applied Materials & Interfaces*, **2014**, 6, 6248-56	9.5	76
98	Tuning the activity of platinum(IV) anticancer complexes through asymmetric acylation. *Journal of Medicinal Chemistry*, **2012**, 55, 7571-82	8.3	76
97	Pro-inflammatory responses of RAW264.7 macrophages when treated with ultralow concentrations of silver, titanium dioxide, and zinc oxide nanoparticles. *Journal of Hazardous Materials*, **2015**, 297, 146-52	12.8	75
96	Presentation matters: Identity of gold nanocluster capping agent governs intracellular uptake and cell metabolism. *Nano Research*, **2014**, 7, 805-815	10	75
95	DNA Nanostructures Carrying Stoichiometrically Definable Antibodies. *Small*, **2016**, 12, 5601-5611	11	72
94	Probing the relevance of 3D cancer models in nanomedicine research. *Advanced Drug Delivery Reviews*, **2014**, 79-80, 95-106	18.5	71
93	Absolute quantification of gene expression in biomaterials research using real-time PCR. *Biomaterials*, **2007**, 28, 203-10	15.6	68
92	Emerging 0D Transition-Metal Dichalcogenides for Sensors, Biomedicine, and Clean Energy. *Small*, **2017**, 13, 1700527	11	64
91	Electrochemical Quantification of Escherichia coli with DNA Nanostructure. *Advanced Functional Materials*, **2015**, 25, 3840-3846	15.6	64
90	The reduction of anti-cancer drug antagonism by the spatial protection of drugs with PLA-TPGS nanoparticles. *Biomaterials*, **2014**, 35, 3044-51	15.6	63
89	Using theater to teach clinical empathy: a pilot study. *Journal of General Internal Medicine*, **2007**, 22, 1114-8	4	60
88	Viability and adipogenic potential of human adipose tissue processed cell population obtained from pump-assisted and syringe-assisted liposuction. *Journal of Dermatological Science*, **2005**, 37, 169-76	4.3	57
87	Protecting microRNAs from RNase degradation with steric DNA nanostructures. *Chemical Science*, **2017**, 8, 1062-1067	9.4	53
86	Clinically Relevant Detection of Streptococcus pneumoniae with DNA-Antibody Nanostructures. *Analytical Chemistry*, **2017**, 89, 6900-6906	7.8	52
85	Oxidative stress by inorganic nanoparticles. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2016**, 8, 414-38	9.2	52
84	Ultrasensitive IgG quantification using DNA nano-pyramids. *NPG Asia Materials*, **2014**, 6, e112-e112	10.3	52
83	Cytotoxic and genotoxic characterization of titanium dioxide, gadolinium oxide, and poly(lactic-co-glycolic acid) nanoparticles in human fibroblasts. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 633-40	5.4	52

82	Bio-inspired micropatterned platform to steer stem cell differentiation. *Small*, **2011**, 7, 1416-21	11	51
81	Direct laser machining-induced topographic pattern promotes up-regulation of myogenic markers in human mesenchymal stem cells. *Acta Biomaterialia*, **2012**, 8, 531-9	10.8	50
80	Mesoporous Silica Nanoparticles as an Antitumoral-Angiogenesis Strategy. *ACS Applied Materials & Interfaces*, **2017**, 9, 6690-6703	9.5	48
79	Cancer-related ectopic expression of the bone-related transcription factor RUNX2 in non-osseous metastatic tumor cells is linked to cell proliferation and motility. *Breast Cancer Research*, **2010**, 12, R89	8.3	48
78	Reducing ZnO nanoparticles toxicity through silica coating. *Heliyon*, **2016**, 2, e00177	3.6	47
77	Balancing the Rate of Cluster Growth and Etching for Gram-Scale Synthesis of Thiolate-Protected Au25 Nanoclusters with Atomic Precision. *Angewandte Chemie*, **2014**, 126, 4711-4715	3.6	47
76	Increasing the Potential Interacting Area of Nanomedicine Enhances Its Homotypic Cancer Targeting Efficacy. *ACS Nano*, **2020**, 14, 3259-3271	16.7	46
75	Storage of gold nanoclusters in muscle leads to their biphasic in vivo clearance. *Small*, **2015**, 11, 1683-90	11	45
74	Toxicity profiling of water contextual zinc oxide, silver, and titanium dioxide nanoparticles in human oral and gastrointestinal cell systems. *Environmental Toxicology*, **2015**, 30, 1459-69	4.2	44
73	Engineered functionalized 2D nanoarchitectures for stimuli-responsive drug delivery. *Materials Horizons*, **2020**, 7, 455-469	14.4	43
72	Runx2, p53, and pRB status as diagnostic parameters for deregulation of osteoblast growth and differentiation in a new pre-chemotherapeutic osteosarcoma cell line (OS1). *Journal of Cellular Physiology*, **2009**, 221, 778-88	7	42
71	Nano-TiO Drives Epithelial-Mesenchymal Transition in Intestinal Epithelial Cancer Cells. *Small*, **2018**, 14, e1800922	11	42
70	Reality Check for Nanomaterial-Mediated Therapy with 3D Biomimetic Culture Systems. *Advanced Functional Materials*, **2016**, 26, 4046-4065	15.6	41
69	Positive association between nuclear Runx2 and oestrogen-progesterone receptor gene expression characterises a biological subtype of breast cancer. *European Journal of Cancer*, **2009**, 45, 2239-48	7.5	41
68	Mechanoregulation of stem cell fate via micro-/nano-scale manipulation for regenerative medicine. *Nanomedicine*, **2013**, 8, 623-38	5.6	40
67	Insights into the role of focal adhesion modulation in myogenic differentiation of human mesenchymal stem cells. *Stem Cells and Development*, **2013**, 22, 136-47	4.4	39
66	A bio-inspired platform to modulate myogenic differentiation of human mesenchymal stem cells through focal adhesion regulation. *Advanced Healthcare Materials*, **2013**, 2, 442-9	10.1	38
65	Osteo-maturation of adipose-derived stem cells required the combined action of vitamin D3, beta-glycerophosphate, and ascorbic acid. *Biochemical and Biophysical Research Communications*, **2007**, 362, 17-24	3.4	38

64	Phototherapy with layered materials derived quantum dots. *Nanoscale*, **2020**, 12, 43-57	7.7	37
63	Ratiometric immunoassays built from synergistic photonic absorption of size-diverse semiconducting MoS2 nanostructures. *Materials Horizons*, **2019**, 6, 563-570	14.4	34
62	Inorganic Nanomaterials as Highly Efficient Inhibitors of Cellular Hepatic Fibrosis. *ACS Applied Materials & Interfaces*, **2018**, 10, 31938-31946	9.5	34
61	Nanotoxicology of common metal oxide based nanomaterials: their ROS-y and non-ROS-y consequences. *Asia-Pacific Journal of Chemical Engineering*, **2013**, 8, 205-217	1.3	33
60	Toxicity of Two-Dimensional Layered Materials and Their Heterostructures. *Bioconjugate Chemistry*, **2019**, 30, 2287-2299	6.3	32
59	Biochemical studies of the lagunamides, potent cytotoxic cyclic depsipeptides from the marine cyanobacterium Lyngbya majuscula. *Marine Drugs*, **2012**, 10, 1126-37	6	31
58	Site-specific conjugation of monodispersed DOTA-PEGn to a thiolated diabody reveals the effect of increasing peg size on kidney clearance and tumor uptake with improved 64-copper PET imaging. *Bioconjugate Chemistry*, **2011**, 22, 709-16	6.3	30
57	Characterization of osteogenically induced adipose tissue-derived precursor cells in 2-dimensional and 3-dimensional environments. *Cells Tissues Organs*, **2006**, 182, 1-11	2.1	30
56	Phage based green chemistry for gold ion reduction and gold retrieval. *ACS Applied Materials & Interfaces*, **2014**, 6, 910-7	9.5	29
55	Reciprocal Response of Human Oral Epithelial Cells to Internalized Silica Nanoparticles. *Particle and Particle Systems Characterization*, **2013**, 30, 784-793	3.1	29
54	The osteogenic differentiation of adipose tissue-derived precursor cells in a 3D scaffold/matrix environment. *Current Drug Discovery Technologies*, **2008**, 5, 319-27	1.5	29
53	Monodispersed DOTA-PEG-conjugated anti-TAG-72 diabody has low kidney uptake and high tumor-to-blood ratios resulting in improved 64Cu PET. *Journal of Nuclear Medicine*, **2010**, 51, 1139-46	8.9	28
52	Assembling Defined DNA Nanostructure with Nitrogen-Enriched Carbon Dots for Theranostic Cancer Applications. *Small*, **2020**, 16, e1906975	11	28
51	Overcoming bacterial physical defenses with molecule-like ultrasmall antimicrobial gold nanoclusters. *Bioactive Materials*, **2021**, 6, 941-950	16.7	28
50	Anti-migratory and increased cytotoxic effects of novel dual drug-loaded complex hybrid micelles in triple negative breast cancer cells. *Nano Research*, **2015**, 8, 2533-2547	10	27
49	Soft Material Approach to Induce Oxidative Stress in Mesenchymal Stem Cells for Functional Tissue Repair. *ACS Applied Materials & Interfaces*, **2016**, 8, 26591-26599	9.5	27
48	Sphingosine-1-phosphate mediates proliferation maintaining the multipotency of human adult bone marrow and adipose tissue-derived stem cells. *Journal of Molecular Cell Biology*, **2010**, 2, 199-208	6.3	26
47	Self-assembly of stem cell membrane-camouflaged nanocomplex for microRNA-mediated repair of myocardial infarction injury. *Biomaterials*, **2020**, 257, 120256	15.6	25

46	Decoupling the Direct and Indirect Biological Effects of ZnO Nanoparticles Using a Communicative Dual Cell-Type Tissue Construct. *Small*, **2016**, 12, 647-57	11	25
45	Angiopoietin-1 accelerates restoration of endothelial cell barrier integrity from nanoparticle-induced leakiness. *Nanotoxicology*, **2019**, 13, 682-700	5.3	25
44	Investigating the effects of preinduction on human adipose-derived precursor cells in an athymic rat model. *Differentiation*, **2006**, 74, 519-29	3.5	23
43	Cell Membrane Nanotherapeutics: From Synthesis to Applications Emerging Tools for Personalized Cancer Therapy. *Advanced Therapeutics*, **2020**, 3, 1900201	4.9	21
42	Retooling Cancer Nanotherapeutics' Entry into Tumors to Alleviate Tumoral Hypoxia. *Small*, **2020**, 16, e2003000	11	19
41	Cell-microsphere constructs formed with human adipose-derived stem cells and gelatin microspheres promotes stemness, differentiation, and controlled pro-angiogenic potential. *Macromolecular Bioscience*, **2014**, 14, 1458-68	5.5	18
40	ATF5, a possible regulator of osteogenic differentiation in human adipose-derived stem cells. *Journal of Cellular Biochemistry*, **2012**, 113, 2744-53	4.7	17
39	Observing antimicrobial process with traceable gold nanoclusters. *Nano Research*, **2021**, 14, 1026-1033	10	17
38	Cytotoxic Effects of Phosphonate-Functionalized Mesoporous Silica Nanoparticles. *ACS Applied Materials & Interfaces*, **2016**, 8, 2416-22	9.5	16
37	Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. *Nano Today*, **2021**, 39, 101184	17.9	16
36	Pathology reporting of resected colorectal cancers in New South Wales in 2000. *ANZ Journal of Surgery*, **2007**, 77, 963-9	1	15
35	Precise Single-Step Electrophoretic Multi-Sized Fractionation of Liquid-Exfoliated Nanosheets. *Advanced Functional Materials*, **2018**, 28, 1801622	15.6	15
34	Intrinsic bioactivity of black phosphorus nanomaterials on mitotic centrosome destabilization through suppression of PLK1 kinase. *Nature Nanotechnology*, **2021**, 16, 1150-1160	28.7	15
33	Sugar-Grafted Cyclodextrin Nanocarrier as a "Trojan Horse" for Potentiating Antibiotic Activity. *Pharmaceutical Research*, **2016**, 33, 1161-74	4.5	14
32	A generic micropatterning platform to direct human mesenchymal stem cells from different origins towards myogenic differentiation. *Macromolecular Bioscience*, **2013**, 13, 799-807	5.5	13
31	Titanium Dioxide Nanoparticles Enhance Leakiness and Drug Permeability in Primary Human Hepatic Sinusoidal Endothelial Cells. *International Journal of Molecular Sciences*, **2018**, 20,	6.3	13
30	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. *Exploration*, **2021**, 1, 9-20		13
29	Layered MoS defect-driven in situ synthesis of plasmonic gold nanocrystals visualizes the planar size and interfacial diversity. *Nanoscale*, **2020**, 12, 11979-11985	7.7	11

28	Molecular Architecture Governs Cytotoxicity and Gene Transfection Efficacy of Polyethylenimine Based Nanoplexes in Mammalian Cell Lines. *Journal of Inorganic and Organometallic Polymers and Materials*, **2015**, 25, 301-311	3.2	9
27	Ultrasmall Molybdenum Disulfide Quantum Dots Cage Alzheimer's Amyloid Beta to Restore Membrane Fluidity. *ACS Applied Materials & Interfaces*, **2021**, 13, 29936-29948	9.5	9
26	Molecular Design and Medicinal Applications of Nano-Nitric Oxide Delivery Systems. *Current Medicinal Chemistry*, **2018**, 25, 1420-1432	4.3	8
25	Un/DoPack: Re-Clustering of Large System-on-Chip Designs with Interconnect Variation for Low-Cost FPGAs. *IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers*, **2006**,		8
24	Metal Nanoclusters: Engineering Functional Metal Materials at the Atomic Level (Adv. Mater. 47/2018). *Advanced Materials*, **2018**, 30, 1870358	24	8
23	Nanoarchitektonik als ein Ansatz zur Erzeugung bio□nlicher hierarchischer Organisate. *Angewandte Chemie*, **2020**, 132, 15550-15574	3.6	7
22	Novel therapeutic option for orbital atypical lymphoid hyperplasia. *Clinical and Experimental Ophthalmology*, **2010**, 38, 892-4	2.4	7
21	Intramuscular nerve damage in lacerated skeletal muscles may direct the inflammatory cytokine response during recovery. *Journal of Cellular Biochemistry*, **2012**, 113, 2330-45	4.7	6
20	Coexpressing shRNA with fluorescence tags for quantification of cell migration studies. *Molecular Biology Reports*, **2012**, 39, 7695-703	2.8	6
19	Particulate matter from indoor environments of classroom induced higher cytotoxicity and leakiness in human microvascular endothelial cells in comparison with those collected from corridor. *Indoor Air*, **2017**, 27, 551-563	5.4	5
18	A Framework of Paracellular Transport via Nanoparticles-Induced Endothelial Leakiness. *Advanced Science*, **2021**, 8, e2102519	13.6	5
17	Understanding the implications of engineered nanoparticle induced autophagy in human epidermal keratinocytes in vitro. *NanoImpact*, **2019**, 15, 100177	5.6	4
16	Nanotoxicity: Mechanistic Investigation of the Biological Effects of SiO2, TiO2, and ZnO Nanoparticles on Intestinal Cells (Small 28/2015). *Small*, **2015**, 11, 3390-3390	11	4
15	Oxygenic Enrichment in Hybrid Ruthenium Sulfide Nanoclusters for an Optimized Photothermal Effect. *ACS Applied Materials & Interfaces*, **2021**,	9.5	4
14	Replace: An incremental placement algorithm for field programmable gate arrays **2009**,		3
13	Dynamic Protein Corona of Gold Nanoparticles with an Evolving Morphology. *ACS Applied Materials & Interfaces*, **2021**, 13, 58238-58251	9.5	3
12	3-D DNA nanodevices for on-site sensitive detection of antibiotic residues in food. *Chemical Communications*, **2020**, 56, 12628-12631	5.8	3
11	Nanomedicine: Back to Basics: Exploiting the Innate Physico-chemical Characteristics of Nanomaterials for Biomedical Applications (Adv. Funct. Mater. 38/2014). *Advanced Functional Materials*, **2014**, 24, 5930-5930	15.6	2

10	Nanotoxicity: Biomimicry 3D Gastrointestinal Spheroid Platform for the Assessment of Toxicity and Inflammatory Effects of Zinc Oxide Nanoparticles (Small 6/2015). *Small*, **2015**, 11, 760-760	11	2
9	Correction to Identification of a Highly Luminescent Au22(SG)18 Nanocluster. *Journal of the American Chemical Society*, **2014**, 136, 17355-17355	16.4	2
8	Functionalizing DNA nanostructures with natural cationic amino acids. *Bioactive Materials*, **2021**, 6, 2946-2955	26.7	2
7	Bio-interactive nanoarchitectonics with two-dimensional materials and environments.. *Science and Technology of Advanced Materials*, **2022**, 23, 199-224	7.1	2
6	Highlights from the latest articles in technical and technological advancements in nanotherapeutics. *Nanomedicine*, **2015**, 10, 1047-9	5.6	1
5	Macrophage Polarization as a Facile Strategy to Enhance Efficacy of Macrophage Membrane-Coated Nanoparticles in Osteoarthritis. *Small Science*,2100116		1
4	Biosensors: Electrochemical Quantification of Escherichia coli with DNA Nanostructure (Adv. Funct. Mater. 25/2015). *Advanced Functional Materials*, **2015**, 25, 3979-3979	15.6	0
3	Materialistic Interfaces with Nucleic Acids: Principles and Their Impact. *Advanced Functional Materials*,2201172	15.6	0
2	Characterization and Culturing of Adipose-Derived Precursor Cells439-462		
1	Isolating bone marrow stem cells using sieve technology. *Stem Cells*, **2004**, 22, 1123-5	5.8	