Raphael Levy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/348430/publications.pdf

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50	3,660	185998	189595
papers	citations	28 h-index	50 g-index

74	74	74	6473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational and Combinatorial Design of Peptide Capping Ligands for Gold Nanoparticles. Journal of the American Chemical Society, 2004, 126, 10076-10084.	6.6	670
2	Measuring the spring constant of atomic force microscope cantilevers: thermal fluctuations and other methods. Nanotechnology, 2002, 13, 33-37.	1.3	324
3	Kinase-Catalyzed Modification of Gold Nanoparticles:Â A New Approach to Colorimetric Kinase Activity Screening. Journal of the American Chemical Society, 2006, 128, 2214-2215.	6.6	269
4	Nanoparticles for Imaging, Sensing, and Therapeutic Intervention. ACS Nano, 2014, 8, 3107-3122.	7.3	255
5	Gold nanoparticles delivery in mammalian live cells: a critical review. Nano Reviews, 2010, 1, 4889.	3.7	169
6	Long-term tracking of cells using inorganic nanoparticles as contrast agents: are we there yet?. Chemical Society Reviews, 2012, 41, 2707.	18.7	157
7	Fmoc-diphenylalanine hydrogels: understanding the variability in reported mechanical properties. Soft Matter, 2012, 8, 1168-1174.	1.2	155
8	Cathepsin L Digestion of Nanobioconjugates upon Endocytosis. ACS Nano, 2009, 3, 2461-2468.	7.3	110
9	Fluorescent or not? Size-dependent fluorescence switching for polymer-stabilized gold clusters in the 1.1â€“1.7 nm size range. Chemical Communications, 2008, , 3986.	2.2	108
10	The Peptide Route to Multifunctional Gold Nanoparticles. Bioconjugate Chemistry, 2005, 16, 497-500.	1.8	102
11	Peptide-Capped Gold Nanoparticles: Towards Artificial Proteins. ChemBioChem, 2006, 7, 1141-1145.	1.3	93
12	Amyloid-Derived Peptide Forms Self-Assembled Monolayers on Gold Nanoparticle with a Curvature-Dependent Î²-Sheet Structure. ACS Nano, 2012, 6, 1416-1426.	7.3	84
13	Preventing Plasmon Coupling between Gold Nanorods Improves the Sensitivity of Photoacoustic Detection of Labeled Stem Cells in Vivo. ACS Nano, 2016, 10, 7106-7116.	7.3	78
14	High-Resolution Sizing of Monolayer-Protected Gold Clusters by Differential Centrifugal Sedimentation. ACS Nano, 2013, 7, 8881-8890.	7.3	71
15	Characterizing Self-Assembled Monolayers on Gold Nanoparticles. Bioconjugate Chemistry, 2017, 28, 11-22.	1.8	71
16	Non-invasive imaging reveals conditions that impact distribution and persistence of cells after in vivo administration. Stem Cell Research and Therapy, 2018, 9, 332.	2.4	66
17	A Generic Approach to Monofunctionalized Protein-Like Gold Nanoparticles Based on Immobilized Metal Ion Affinity Chromatography. ChemBioChem, 2006, 7, 592-594.	1.3	64
18	Photothermal Microscopy of the Core of Dextran-Coated Iron Oxide Nanoparticles During Cell Uptake. ACS Nano, 2012, 6, 5961-5971.	7.3	53

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19	Measures of kidney function by minimally invasive techniques correlate with histological glomerular damage in SCID mice with adriamycin-induced nephropathy. Scientific Reports, 2015, 5, 13601.	1.6	51
20	Cellular memory of hypoxia elicits neuroblastoma metastasis and enables invasion by non-aggressive neighbouring cells. Oncogenesis, 2015, 4, e138-e138.	2.1	45
21	Gold nanoparticles as advanced building blocks for nanoscale self-assembled systems. Journal of Materials Chemistry, 2011, 21, 12181.	6.7	44
22	Stripy Nanoparticles Revisited. Small, 2012, 8, 3714-3719.	5.2	44
23	Tailoring the surface charge of dextran-based polymer coated SPIONs for modulated stem cell uptake and MRI contrast. Biomaterials Science, 2015, 3, 608-616.	2.6	44
24	PEGylation modulates the interfacial kinetics of proteases on peptide-capped gold nanoparticles. Chemical Communications, 2009, , 5009.	2.2	43
25	Supramolecular Domains in Mixed Peptide Selfâ€Assembled Monolayers on Gold Nanoparticles. ChemBioChem, 2008, 9, 2127-2134.	1.3	42
26	Critical Assessment of the Evidence for Striped Nanoparticles. PLoS ONE, 2014, 9, e108482.	1.1	41
27	Proteinâ€“GAG interactions: new surface-based techniques, spectroscopies and nanotechnology probes. Biochemical Society Transactions, 2006, 34, 427-430.	1.6	38
28	Multimodal cell tracking from systemic administration to tumour growth by combining gold nanorods and reporter genes. ELife, 2018, 7, .	2.8	33
29	Response of Villin Headpiece-Capped Gold Nanoparticles to Ultrafast Laser Heating. Journal of Physical Chemistry B, 2014, 118, 7954-7962.	1.2	26
30	TAT and HA2 Facilitate Cellular Uptake of Gold Nanoparticles but Do Not Lead to Cytosolic Localisation. PLoS ONE, 2015, 10, e0121683.	1.1	26
31	Computational and Experimental Investigation of the Structure of Peptide Monolayers on Gold Nanoparticles. Langmuir, 2017, 33, 438-449.	1.6	25
32	Evaluation of quantum dot conjugated antibodies for immunofluorescent labelling of cellular targets. Beilstein Journal of Nanotechnology, 2017, 8, 1238-1249.	1.5	25
33	Differential sub-nuclear distribution of hypoxia-inducible factors (HIF)-1 and -2 alpha impacts on their stability and mobility. Open Biology, 2016, 6, 160195.	1.5	24
34	Monovalent maleimide functionalization of gold nanoparticlesviacopper-free click chemistry. Chemical Communications, 2014, 50, 13157-13160.	2.2	22
35	Selectivity in glycosaminoglycan binding dictates the distribution and diffusion of fibroblast growth factors in the pericellular matrix. Open Biology, 2016, 6, 150277.	1.5	22
36	Ex vivo live cell tracking in kidney organoids using light sheet fluorescence microscopy. PLoS ONE, 2018, 13, e0199918.	1.1	22

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37	Photothermal raster image correlation spectroscopy of gold nanoparticles in solution and on live cells. Royal Society Open Science, 2015, 2, 140454.	1.1	21
38	Dispersion of Hydrophobic Co Supracrystal in Aqueous Solution. ACS Nano, 2016, 10, 2277-2286.	7.3	16
39	In vivo fate of free and encapsulated iron oxide nanoparticles after injection of labelled stem cells. Nanoscale Advances, 2019, 1, 367-377.	2.2	16
40	Nanoscale science: a big step towards the Holy Grail of single molecule biochemistry and molecular biology. Cellular and Molecular Life Sciences, 2004, 61, 1843-1849.	2.4	15
41	Specific molecular interactions by force spectroscopy: From single bonds to collective properties. Biophysical Chemistry, 2005, 117, 233-237.	1.5	11
42	Probing adsorbed polymer chains using atomic force microscopy: interpretation of rupture distributions. Journal of Physics Condensed Matter, 2004, 16, 7199-7208.	0.7	9
43	Drying nano particles solution on an oscillating tip at an air liquid interface: what we can learn, what we can do. Nanoscale Research Letters, 2007, 2, 309-318.	3.1	9
44	New tools for force spectroscopy. Ultramicroscopy, 2005, 102, 311-315.	0.8	8
45	The Spherical Nucleic Acids mRNA Detection Paradox. ScienceOpen Research, 0, , .	0.6	5
46	The spherical nucleic acids mRNA detection paradox. ScienceOpen Research, 2015, .	0.6	4
47	The long life of unicorns. Precision Nanomedicine, 2020, 3, .	0.4	2
48	Atomic force microscopy characterization of polyethylene terephthalate grafting with poly(styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	1
49	Development of amyloid beta gold nanorod aggregates as optoacoustic probes. PLoS ONE, 2022, 17, e0259608.	1.1	1
50	Editorial. Advanced Drug Delivery Reviews, 2012, 64, 127-128.	6.6	0