

Pedro Baptista

List of Publications by Year in descending order

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212
papers

10,036
citations

53660

45
h-index

42291

92
g-index

216
all docs

216
docs citations

216
times ranked

14781
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Tumor Microenvironment for Cancer Therapy. International Journal of Molecular Sciences, 2019, 20, 840.	1.8	822
2	Noble Metal Nanoparticles for Biosensing Applications. Sensors, 2012, 12, 1657-1687.	2.1	593
3	Nano-Strategies to Fight Multidrug Resistant Bacteriaâ€”â€œA Battle of the Titansâ€œ. Frontiers in Microbiology, 2018, 9, 1441.	1.5	578
4	Heterocyclic Anticancer Compounds: Recent Advances and the Paradigm Shift towards the Use of Nanomedicineâ€™s Tool Box. Molecules, 2015, 20, 16852-16891.	1.7	471
5	Gold nanoparticles for the development of clinical diagnosis methods. Analytical and Bioanalytical Chemistry, 2008, 391, 943-950.	1.9	448
6	Noble Metal Nanoparticles Applications in Cancer. Journal of Drug Delivery, 2012, 2012, 1-12.	2.5	376
7	Revisiting 30 years of biofunctionalization and surface chemistry of inorganic nanoparticles for nanomedicine. Frontiers in Chemistry, 2014, 2, 48.	1.8	319
8	Design of Multifunctional Gold Nanoparticles for <i>In Vitro</i> and <i>In Vivo</i> Gene Silencing. ACS Nano, 2012, 6, 8316-8324.	7.3	223
9	A low cost, safe, disposable, rapid and self-sustainable paper-based platform for diagnostic testing: lab-on-paper. Nanotechnology, 2014, 25, 094006.	1.3	193
10	Gold-Nanoparticle-Probeâ€”Based Assay for Rapid and Direct Detection of Mycobacterium tuberculosis DNA in Clinical Samples. Clinical Chemistry, 2006, 52, 1433-1434.	1.5	187
11	Exosome in Tumour Microenvironment: Overview of the Crosstalk between Normal and Cancer Cells. BioMed Research International, 2014, 2014, 1-10.	0.9	184
12	Contribution of Efflux to the Emergence of Isoniazid and Multidrug Resistance in Mycobacterium tuberculosis. PLoS ONE, 2012, 7, e34538.	1.1	177
13	Gold and silver nanoparticles for clinical diagnostics â€” From genomics to proteomics. Journal of Proteomics, 2012, 75, 2811-2823.	1.2	152
14	InÂvivo tumor targeting via nanoparticle-mediated therapeutic siRNA coupled to inflammatory response in lung cancer mouse models. Biomaterials, 2013, 34, 7744-7753.	5.7	136
15	Gold on paperâ€”paper platform for Au-nanoprobe TB detection. Lab on A Chip, 2012, 12, 4802.	3.1	129
16	Gene Therapy in Cancer Treatment: Why Go Nano?. Pharmaceutics, 2020, 12, 233.	2.0	127
17	Photothermal enhancement of chemotherapy in breast cancer by visible irradiation of Gold Nanoparticles. Scientific Reports, 2017, 7, 10872.	1.6	126
18	Gold Nanotheranostics: Proof-of-Concept or Clinical Tool?. Nanomaterials, 2015, 5, 1853-1879.	1.9	110

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19	Colorimetric detection of eukaryotic gene expression with DNA-derivatized gold nanoparticles. <i>Journal of Biotechnology</i> , 2005, 119, 111-117.	1.9	103
20	Gold Nanoparticles for Diagnostics: Advances towards Points of Care. <i>Diagnostics</i> , 2016, 6, 43.	1.3	101
21	Antibody- <i>drug</i> gold nanoantennas with Raman spectroscopic fingerprints for in vivo tumour theranostics. <i>Journal of Controlled Release</i> , 2014, 183, 87-93.	4.8	99
22	Star-shaped magnetite@gold nanoparticles for protein magnetic separation and SERS detection. <i>RSC Advances</i> , 2014, 4, 3690-3698.	1.7	86
23	Nanodiagnostics: fast colorimetric method for single nucleotide polymorphism/mutation detection. <i>IET Nanobiotechnology</i> , 2007, 1, 53.	1.9	84
24	Gold-nanobeacons for gene therapy: evaluation of genotoxicity, cell toxicity and proteome profiling analysis. <i>Nanotoxicology</i> , 2014, 8, 521-532.	1.6	83
25	Gold-nanobeacons for simultaneous gene specific silencing and intracellular tracking of the silencing events. <i>Biomaterials</i> , 2013, 34, 2516-2523.	5.7	82
26	Gold Nanoparticle Approach to the Selective Delivery of Gene Silencing in Cancer- <i>The Case for Combined Delivery?</i> . <i>Genes</i> , 2017, 8, 94.	1.0	82
27	Field Effect Sensors for Nucleic Acid Detection: Recent Advances and Future Perspectives. <i>Sensors</i> , 2015, 15, 10380-10398.	2.1	78
28	Au-nanoprobes for detection of SNPs associated with antibiotic resistance in <i>Mycobacterium tuberculosis</i> . <i>Nanotechnology</i> , 2010, 21, 415101.	1.3	77
29	RNA quantification using gold nanoprobes - application to cancer diagnostics. <i>Journal of Nanobiotechnology</i> , 2010, 8, 5.	4.2	74
30	15 years on siRNA delivery: Beyond the State-of-the-Art on inorganic nanoparticles for RNAi therapeutics. <i>Nano Today</i> , 2015, 10, 421-450.	6.2	73
31	Gold nanoparticle-based fluorescence immunoassay for malaria antigen detection. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1019-1027.	1.9	69
32	Multifunctional gold-nanoparticles: A nanovectorization tool for the targeted delivery of novel chemotherapeutic agents. <i>Journal of Controlled Release</i> , 2017, 245, 52-61.	4.8	64
33	Nanoparticles- <i>Emerging Potential for Managing Leukemia and Lymphoma</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 79.	2.0	63
34	Enhancement of water solubility of poorly water-soluble drugs by new biocompatible N-acetyl amino acid N-alkyl cholinium-based ionic liquids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 137, 227-232.	2.0	62
35	Inkjet printed and <i>doctor blade</i> -TiO ₂ photodetectors for DNA biosensors. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1229-1234.	5.3	59
36	New insights into the use of magnetic force microscopy to discriminate between magnetic and nonmagnetic nanoparticles. <i>Nanotechnology</i> , 2010, 21, 305706.	1.3	59

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37	A promising road with challenges: where are gold nanoparticles in translational research?. <i>Nanomedicine</i> , 2014, 9, 2353-2370.	1.7	58
38	Nanotheranostics Targeting the Tumor Microenvironment. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 197.	2.0	58
39	Construction and Analysis of a Sequence-Ready Map in 4q25: Rieger Syndrome Can Be Caused by Haploinsufficiency of RIEG, but Also by Chromosome Breaks ~90 kb Upstream of This Gene. <i>Genomics</i> , 1998, 47, 409-413.	1.3	56
40	Anti-cancer precision theranostics: a focus on multifunctional gold nanoparticles. <i>Expert Review of Molecular Diagnostics</i> , 2014, 14, 1041-1052.	1.5	56
41	Synthesis, characterization, thermal properties and antiproliferative potential of copper(<i>II</i>) 4-phenyl-terpyridine compounds. <i>Dalton Transactions</i> , 2016, 45, 5339-5355.	1.6	52
42	Gold nanoprobe assay for the identification of mycobacteria of the <i>Mycobacterium tuberculosis</i> complex. <i>Clinical Microbiology and Infection</i> , 2010, 16, 1464-1469.	2.8	51
43	Tumor Microenvironment Modulation via Gold Nanoparticles Targeting Malicious Exosomes: Implications for Cancer Diagnostics and Therapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 162.	1.8	50
44	Nanoparticles in Molecular Diagnostics. <i>Progress in Molecular Biology and Translational Science</i> , 2011, 104, 427-488.	0.9	47
45	Peptide-coated gold nanoparticles for modulation of angiogenesis in vivo. <i>International Journal of Nanomedicine</i> , 2016, 11, 2633.	3.3	47
46	Digital Microfluidics for Nucleic Acid Amplification. <i>Sensors</i> , 2017, 17, 1495.	2.1	47
47	Smuggling gold nanoparticles across cell types – A new role for exosomes in gene silencing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1389-1398.	1.7	46
48	Heteroleptic mononuclear compounds of ruthenium(<i>II</i>): synthesis, structural analyses, in vitro antitumor activity and in vivo toxicity on zebrafish embryos. <i>Dalton Transactions</i> , 2016, 45, 19127-19140.	1.6	45
49	Ionic Liquids and Salts from Ibuprofen as Promising Innovative Formulations of an Old Drug. <i>ChemMedChem</i> , 2019, 14, 907-911.	1.6	44
50	Gold-nanobeacons for real-time monitoring of RNA synthesis. <i>Biosensors and Bioelectronics</i> , 2012, 36, 161-167.	5.3	43
51	Organometallic Compounds in Cancer Therapy: Past Lessons and Future Directions. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014, 14, 1199-1212.	0.9	43
52	Amorphous/nanocrystalline silicon biosensor for the specific identification of unamplified nucleic acid sequences using gold nanoparticle probes. <i>Applied Physics Letters</i> , 2007, 90, 023903.	1.5	42
53	Bio-microfluidic platform for gold nanoprobe based DNA detection – application to <i>Mycobacterium tuberculosis</i> . <i>Biosensors and Bioelectronics</i> , 2013, 48, 87-93.	5.3	42
54	Evaluation of cell toxicity and DNA and protein binding of green synthesized silver nanoparticles. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 137-144.	2.5	42

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55	GLUT1 and GLUT3 involvement in anthocyanin gastric transport- Nanobased targeted approach. Scientific Reports, 2019, 9, 789.	1.6	42
56	Light activation of transcription: photocaging of nucleotides for control over RNA polymerization. Nucleic Acids Research, 2008, 36, e90-e90.	6.5	39
57	Gold Nanoparticles for BCR-ABL1 Gene Silencing: Improving Tyrosine Kinase Inhibitor Efficacy in Chronic Myeloid Leukemia. Molecular Therapy - Nucleic Acids, 2017, 7, 408-416.	2.3	39
58	Paper-Based SERS Platform for One-Step Screening of Tetracycline in Milk. Scientific Reports, 2019, 9, 17922.	1.6	38
59	Portable optoelectronic biosensing platform for identification of mycobacteria from the Mycobacterium tuberculosis complex. Biosensors and Bioelectronics, 2011, 26, 2012-2017.	5.3	37
60	Ion sensing (EIS) real-time quantitative monitorization of isothermal DNA amplification. Biosensors and Bioelectronics, 2014, 52, 50-55.	5.3	37
61	Combination of chemotherapy and Au-nanoparticle phototherapy in the visible light to tackle doxorubicin resistance in cancer cells. Scientific Reports, 2018, 8, 11429.	1.6	37
62	Isothermal DNA amplification coupled to Au-nanoprobes for detection of mutations associated to Rifampicin resistance in Mycobacterium tuberculosis. Journal of Nanobiotechnology, 2013, 11, 38.	4.2	36
63	The Intracellular Number of Magnetic Nanoparticles Modulates the Apoptotic Death Pathway after Magnetic Hyperthermia Treatment. ACS Applied Materials & Interfaces, 2020, 12, 43474-43487.	4.0	36
64	Nanophotonics for Molecular Diagnostics and Therapy Applications. International Journal of Photoenergy, 2012, 2012, 1-11.	1.4	35
65	RNAi-based glyconanoparticles trigger apoptotic pathways for <i>in vitro</i> and <i>in vivo</i> enhanced cancer-cell killing. Nanoscale, 2015, 7, 9083-9091.	2.8	35
66	Nanoparticle Drug Delivery Systems: Recent Patents and Applications in Nanomedicine. Recent Patents on Nanomedicine, 2014, 3, 105-118.	0.5	35
67	Gold-silver-alloy nanoprobes for one-pot multiplex DNA detection. Nanotechnology, 2010, 21, 255101.	1.3	34
68	A Digital Microfluidics Platform for Loop-Mediated Isothermal Amplification Detection. Sensors, 2017, 17, 2616.	2.1	34
69	Light Irradiation of Gold Nanoparticles Toward Advanced Cancer Therapeutics. Advanced Therapeutics, 2020, 3, 1900153.	1.6	34
70	Nanomaterials for reversion of multidrug resistance in cancer: a new hope for an old idea?. Frontiers in Pharmacology, 2013, 4, 134.	1.6	33
71	Insights into the mechanisms underlying the antiproliferative potential of a Co(II) coordination compound bearing 1,10-phenanthroline-5,6-dione: DNA and protein interaction studies. Journal of Biological Inorganic Chemistry, 2014, 19, 787-803.	1.1	33
72	Evidence of one-way flow bioaccumulation of gold nanoparticles across two trophic levels. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	33

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73	Square planar Au(III), Pt(II) and Cu(II) complexes with quinoline-substituted 2,2',6',2''-terpyridine ligands: From in vitro to in vivo biological properties. <i>European Journal of Medicinal Chemistry</i> , 2021, 218, 113404.	2.6	32
74	THE CHEMISTRY AND BIOLOGY OF GOLD NANOPARTICLE-MEDIATED PHOTOTHERMAL THERAPY: PROMISES AND CHALLENGES. <i>Nano LIFE</i> , 2013, 03, 1330001.	0.6	31
75	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 14654-14667.	1.7	31
76	Metabolic and histopathological alterations in the marine bivalve <i>Mytilus galloprovincialis</i> induced by chronic exposure to acrylamide. <i>Environmental Research</i> , 2014, 135, 55-62.	3.7	30
77	Antiproliferative Activities of Diimine-Based Mixed Ligand Copper(II) Complexes. <i>ACS Combinatorial Science</i> , 2020, 22, 89-99.	3.8	29
78	Optimizing Au-nanoprobes for specific sequence discrimination. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 122-124.	2.5	28
79	Enhancement of antibiotic effect via gold:silver-alloy nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	28
80	Nanodiagnostics: leaving the research lab to enter the clinics?. <i>Diagnosis</i> , 2014, 1, 305-309.	1.2	28
81	Copper(II) complexes with tridentate halogen-substituted Schiff base ligands: synthesis, crystal structures and investigating the effect of halogenation, leaving groups and ligand flexibility on antiproliferative activities. <i>Dalton Transactions</i> , 2021, 50, 3990-4007.	1.6	28
82	POxylated Polyurea Dendrimers: Smart Core-Shell Vectors with IC ₅₀ Lowering Capacity. <i>Macromolecular Bioscience</i> , 2015, 15, 1045-1051.	2.1	27
83	Gold Nanoparticles for Vectorization of Nucleic Acids for Cancer Therapeutics. <i>Molecules</i> , 2020, 25, 3489.	1.7	27
84	Development of a fast and efficient ultrasonic-based strategy for DNA fragmentation. <i>Talanta</i> , 2010, 81, 881-886.	2.9	26
85	Effect of PEG biofunctional spacers and TAT peptide on dsRNA loading on gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	26
86	Antibody modified gold nanoparticles for fast colorimetric screening of rheumatoid arthritis. <i>Analyst</i> , 2019, 144, 3613-3619.	1.7	26
87	Histopathological findings on <i>Carassius auratus</i> hepatopancreas upon exposure to acrylamide: correlation with genotoxicity and metabolic alterations. <i>Journal of Applied Toxicology</i> , 2014, 34, 1293-1302.	1.4	25
88	AuNPs for identification of molecular signatures of resistance. <i>Frontiers in Microbiology</i> , 2014, 5, 455.	1.5	24
89	Targeting Cancer Resistance via Multifunctional Gold Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5510.	1.8	24
90	Tackling Multidrug Resistance in Streptococci – From Novel Biotherapeutic Strategies to Nanomedicines. <i>Frontiers in Microbiology</i> , 2020, 11, 579916.	1.5	24

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91	Gold nanoprobos for multi loci assessment of multi-drug resistant tuberculosis. Tuberculosis, 2014, 94, 332-337.	0.8	23
92	Gold Nanobeacons for Tracking Gene Silencing in Zebrafish. Nanomaterials, 2017, 7, 10.	1.9	23
93	Potentiating angiogenesis arrest in vivo via laser irradiation of peptide functionalised gold nanoparticles. Journal of Nanobiotechnology, 2017, 15, 85.	4.2	23
94	<p>Counteracting the effect of leukemia exosomes by antiangiogenic gold nanoparticles</p>. International Journal of Nanomedicine, 2019, Volume 14, 6843-6854.	3.3	23
95	Cancer Nanotechnology - Prospects for Cancer Diagnostics and Therapy. Current Cancer Therapy Reviews, 2009, 5, 80-88.	0.2	23
96	Bacterial Contig Map of the 21q11 Region Associated with Alzheimerâ€™s Disease and Abnormal Myelopoiesis in Downâ€™s Syndrome. Genome Research, 1998, 8, 385-398.	2.4	22
97	<i>In vitro</i>transcription and translation inhibition via DNA functionalized gold nanoparticles. Nanotechnology, 2010, 21, 505101.	1.3	22
98	Experimental photophysical characterization of fluorophores in the vicinity of gold nanoparticles. Nanotechnology, 2011, 22, 415202.	1.3	22
99	Gold nanoparticle-based theranostics: disease diagnostics and treatment using a single nanomaterial. Nanobiosensors in Disease Diagnosis, 0, , 11.	0.0	22
100	Current trends in molecular diagnostics of chronic myeloid leukemia. Leukemia and Lymphoma, 2017, 58, 1791-1804.	0.6	22
101	Imaging Gold Nanoparticles for DNA Sequence Recognition in Biomedical Applications. IEEE Transactions on Nanobioscience, 2007, 6, 282-288.	2.2	21
102	Real-time monitoring of PCR amplification of proto-oncogene c-MYC using a Ta2O5 electrolyteâ€™insulatorâ€™semiconductor sensor. Biosensors and Bioelectronics, 2011, 28, 44-49.	5.3	21
103	Multifunctional microfluidic chip for optical nanoprobe based RNA detection â€™ application to Chronic Myeloid Leukemia. Scientific Reports, 2018, 8, 381.	1.6	21
104	Gold Nanoparticles as (Bio)Chemical Sensors. Comprehensive Analytical Chemistry, 2014, 66, 529-567.	0.7	20
105	Occurrence of non-toxic bioemulsifiers during polyhydroxyalkanoate production by Pseudomonas strains valorizing crude glycerol by-product. Bioresource Technology, 2019, 281, 31-40.	4.8	20
106	Polyurea dendrimer for efficient cytosolic siRNA delivery. RSC Advances, 2014, 4, 54872-54878.	1.7	19
107	Gold nanoprobe-based non-crosslinking hybridization for molecular diagnostics. Expert Review of Molecular Diagnostics, 2015, 15, 1355-1368.	1.5	19
108	Hyperthermia Induced by Gold Nanoparticles and Visible Light Phototherapy Combined with Chemotherapy to Tackle Doxorubicin Sensitive and Resistant Colorectal Tumor 3D Spheroids. International Journal of Molecular Sciences, 2020, 21, 8017.	1.8	19

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109	Fast Prototyping Microfluidics: Integrating Droplet Digital Lamp for Absolute Quantification of Cancer Biomarkers. <i>Sensors</i> , 2020, 20, 1624.	2.1	19
110	Liposomal Nanosystems in Rheumatoid Arthritis. <i>Pharmaceutics</i> , 2021, 13, 454.	2.0	19
111	Genetic Biomarkers in Chronic Myeloid Leukemia: What Have We Learned So Far?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12516.	1.8	19
112	Liposomes as Delivery System of a Sn(IV) Complex for Cancer Therapy. <i>Pharmaceutical Research</i> , 2016, 33, 1351-1358.	1.7	18
113	One nanoprobe, two pathogens: gold nanoprobe multiplexing for point-of-care. <i>Journal of Nanobiotechnology</i> , 2015, 13, 48.	4.2	17
114	Characterization of antiproliferative potential and biological targets of a copper compound containing 4-phenyl terpyridine. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 935-948.	1.1	17
115	In vitro and in vivo biological characterization of the anti-proliferative potential of a cyclic trinuclear organotin complex. <i>Molecular BioSystems</i> , 2016, 12, 1015-1023.	2.9	17
116	Allele specific LAMP- gold nanoparticle for characterization of single nucleotide polymorphisms. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2017, 16, 21-25.	2.1	17
117	Nanoparticle-antagomiR based targeting of miR-31 to induce osterix and osteocalcin expression in mesenchymal stem cells. <i>PLoS ONE</i> , 2018, 13, e0192562.	1.1	17
118	Improving the Anti-inflammatory Response via Gold Nanoparticle Vectorization of CO-Releasing Molecules. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1090-1101.	2.6	17
119	In Vitro and In Vivo Effect of Palladacycles: Targeting A2780 Ovarian Carcinoma Cells and Modulation of Angiogenesis. <i>Inorganic Chemistry</i> , 2021, 60, 3939-3951.	1.9	17
120	pH Effect on the Photochemistry of 4-Methylcoumarin Phosphate Esters: Caged-Phosphate Case Study. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12795-12803.	1.1	16
121	Significance of the balance between intracellular glutathione and polyethylene glycol for successful release of small interfering RNA from gold nanoparticles. <i>Nano Research</i> , 2015, 8, 3281-3292.	5.8	16
122	Nanoparticles as Delivery Systems in Cancer Therapy. , 2019, , 257-295.		16
123	Colorimetric assessment of BCR-ABL1 transcripts in clinical samples via gold nanoprobe. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5277-5284.	1.9	15
124	Antiproliferative activity of heterometallic sodium and potassium-dioxidovanadium(V) polymers. <i>Journal of Inorganic Biochemistry</i> , 2019, 200, 110811.	1.5	15
125	Size-Dependent Biological Activities of Fluorescent Organosilane-Modified Zinc Oxide Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 137-152.	0.5	15
126	Quercetin Liposomal Nanoformulation for Ischemia and Reperfusion Injury Treatment. <i>Pharmaceutics</i> , 2022, 14, 104.	2.0	15

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127	Could gold nanoprobe be an important tool in cancer diagnostics?. <i>Expert Review of Molecular Diagnostics</i> , 2012, 12, 541-543.	1.5	14
128	Application of Nanotechnology in Drug Delivery. , 0, , .		14
129	Experimental optimization of a passive planar rhombic micromixer with obstacles for effective mixing in a short channel length. <i>RSC Advances</i> , 2014, 4, 56013-56025.	1.7	14
130	POxylated Dendrimer-Based Nano-Micro Dry Powder Formulations for Inhalation Chemotherapy. <i>ChemistryOpen</i> , 2018, 7, 772-779.	0.9	14
131	Cu(II) complexes as new antiproliferative agents against sensitive and doxorubicin resistant colorectal cancer cells: synthesis, characterization, and mechanisms of action. <i>Dalton Transactions</i> , 2021, 50, 1845-1865.	1.6	14
132	Association of FTO and PPARC polymorphisms with obesity in Portuguese women. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2013, 6, 241.	1.1	13
133	Characterization of genomic single nucleotide polymorphism via colorimetric detection using a single gold nanoprobe. <i>Analytical Biochemistry</i> , 2014, 465, 1-5.	1.1	13
134	Gold nanoprobe assay for identification of mycobacteria from the <i>Mycobacterium tuberculosis</i> complex. <i>Clinical Microbiology and Infection</i> , 2009, 16, 1464-9.	2.8	13
135	New Non-Toxic N-alkyl Cholinium-Based Ionic Liquids as Excipients to Improve the Solubility of Poorly Water-Soluble Drugs. <i>Symmetry</i> , 2021, 13, 2053.	1.1	13
136	Gene Silencing Using Multifunctionalized Gold Nanoparticles for Cancer Therapy. <i>Methods in Molecular Biology</i> , 2017, 1530, 319-336.	0.4	12
137	Quantitative real-time monitoring of RCA amplification of cancer biomarkers mediated by a flexible ion sensitive platform. <i>Biosensors and Bioelectronics</i> , 2017, 91, 788-795.	5.3	12
138	Exploiting the antiproliferative potential of spiropyrazoline oxindoles in a human ovarian cancer cell line. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 30, 115880.	1.4	12
139	Combined cancer therapeutics—Tackling the complexity of the tumor microenvironment. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1704.	3.3	12
140	Inflammatory factors, genetic variants, and predisposition for preterm birth. <i>Clinical Genetics</i> , 2021, 100, 357-367.	1.0	12
141	RNA Quantification Using Noble Metal Nanoprobes: Simultaneous Identification of Several Different mRNA Targets Using Color Multiplexing and Application to Cancer Diagnostics. <i>Methods in Molecular Biology</i> , 2012, 906, 71-87.	0.4	11
142	Modification of plasmid DNA topology by histone-mimetic gold nanoparticles. <i>Nanomedicine</i> , 2012, 7, 1657-1666.	1.7	11
143	Gold nanoparticle-siRNA mediated oncogene knockdown at RNA and protein level, with associated gene effects. <i>Nanomedicine</i> , 2015, 10, 2513-2525.	1.7	11
144	Infection of human keratinocytes by <i>Streptococcus dysgalactiae</i> subspecies <i>dysgalactiae</i> isolated from milk of the bovine udder. <i>Microbes and Infection</i> , 2016, 18, 290-293.	1.0	11

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145	Targeting canine mammary tumours via gold nanoparticles functionalized with promising Co($\langle\text{scp}\rangle\text{II}\langle\text{scp}\rangle$) and Zn($\langle\text{scp}\rangle\text{II}\langle\text{scp}\rangle$) compounds. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 1537-1542.	0.8	11
146	Structural characterization and biological properties of silver(I) tris(pyrazolyl)methane sulfonate. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110789.	1.5	11
147	Specific Antiproliferative Properties of Proteinaceous Toxin Secretions from the Marine Annelid <i>Eulalia</i> sp. onto Ovarian Cancer Cells. <i>Marine Drugs</i> , 2021, 19, 31.	2.2	11
148	Gold Nanoparticle Based Systems in Genetics. <i>Current Pharmacogenomics and Personalized Medicine: the International Journal for Expert Reviews in Pharmacogenomics</i> , 2007, 5, 39-47.	0.3	10
149	Mobile Based Gold Nanoprobe TB Diagnostics for Point-of-Need. <i>Methods in Molecular Biology</i> , 2015, 1256, 41-56.	0.4	10
150	Cation-mediated gelation of the fucose-rich polysaccharide FucoPol: preparation and characterization of hydrogel beads and their cytotoxicity assessment. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 90-99.	1.8	10
151	<i>Rosa x hybrida</i> extracts with dual actions: Antiproliferative effects against tumour cells and inhibitor of Alzheimer disease. <i>Food and Chemical Toxicology</i> , 2021, 149, 112018.	1.8	10
152	Principles in genetic risk assessment. <i>Therapeutics and Clinical Risk Management</i> , 2005, 1, 15-20.	0.9	10
153	Gold nanobeacons: a potential nanotheranostics platform. <i>Nanomedicine</i> , 2014, 9, 2247-2250.	1.7	9
154	Single nucleotide polymorphism detection using gold nanoprobe and bio-microfluidic platform with embedded microlenses. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1210-1219.	1.7	9
155	Editorial: Cancer Nanotheranostics: What Have We Learned So Far?. <i>Frontiers in Chemistry</i> , 2016, 3, 71.	1.8	9
156	BioCode gold-nanobeacon for the detection of fusion transcripts causing chronic myeloid leukemia. <i>Journal of Nanobiotechnology</i> , 2016, 14, 38.	4.2	9
157	Immortalization and characterization of a new canine mammary tumour cell line $\langle\text{scp}\rangle\text{FR37}\hat{\in}\text{CMT}\langle\text{scp}\rangle$. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 952-967.	0.8	9
158	Synthesis of new hetero-arylidene-9(10H)-anthrone derivatives and their biological evaluation. <i>Biorganic Chemistry</i> , 2020, 99, 103849.	2.0	9
159	Digital Microfluidics-Powered Real-Time Monitoring of Isothermal DNA Amplification of Cancer Biomarker. <i>Biosensors</i> , 2022, 12, 201.	2.3	9
160	Characterization of optoelectronic platform using an amorphous/nanocrystalline silicon biosensor for the specific identification of nucleic acid sequences based on gold nanoparticle probes. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 508-511.	4.0	8
161	Identification of unamplified genomic DNA sequences using gold nanoparticle probes and a novel thin film photodetector. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2580-2584.	1.5	8
162	Plastic Compatible Sputtered Ta_2O_5 Sensitive Layer for Oxide Semiconductor TFT Sensors. <i>Journal of Display Technology</i> , 2013, 9, 723-728.	1.3	8

#	ARTICLE	IF	CITATIONS
163	Non-small cell lung cancer biomarkers and targeted therapy - two faces of the same coin fostered by nanotechnology. Expert Review of Precision Medicine and Drug Development, 2016, 1, 155-168.	0.4	8
164	Drug delivery nanosystems targeted to hepatic ischemia and reperfusion injury. Drug Delivery and Translational Research, 2021, 11, 397-410.	3.0	8
165	A Transcriptomic Approach to the Recruitment of Venom Proteins in a Marine Annelid. Toxins, 2021, 13, 97.	1.5	8
166	Multiplexed spectral coding for simultaneous detection of DNA hybridization reactions based on FRET. Sensors and Actuators B: Chemical, 2008, 134, 146-157.	4.0	7
167	Alloy metal nanoparticles for multicolor cancer diagnostics. , 2011, , .		7
168	A novel &em>BCR-ABL1&/em> mutation in a patient with Philadelphia chromosome-positive B-cell acute lymphoblastic leukemia. OncoTargets and Therapy, 2018, Volume 11, 8589-8598.	1.0	7
169	Nano&in>Micro Sildenafil Dry Powder Formulations for the Treatment of Pulmonary Arterial Hypertension Disorders: The Synergic Effect of POxylated Polyurea Dendrimers, PLGA, and Cholesterol. Particle and Particle Systems Characterization, 2020, 37, 1900447.	1.2	7
170	Aggregation versus Biological Activity in Gold(I) Complexes. An Unexplored Concept. Inorganic Chemistry, 2021, 60, 18753-18763.	1.9	7
171	Light Triggered Enhancement of Antibiotic Efficacy in Biofilm Elimination Mediated by Gold-Silver Alloy Nanoparticles. Frontiers in Microbiology, 2022, 13, 841124.	1.5	7
172	Molecular Beacon for Detection miRNA-21 as a Biomarker of Lung Cancer. International Journal of Molecular Sciences, 2022, 23, 3330.	1.8	7
173	RNA Quantification with Gold Nanoprobes for Cancer Diagnostics. Clinics in Laboratory Medicine, 2012, 32, 1-13.	0.7	6
174	Fast nucleotide identification through fingerprinting using gold nanoparticle-based surface-assisted laser desorption/ionisation. Talanta, 2013, 105, 417-421.	2.9	6
175	Synthesis, Cytotoxicity Evaluation in Human Cell Lines and in Vitro DNA Interaction of a Hetero&Arylidene&9(10<i>H</i>)&Aanthrone. European Journal of Organic Chemistry, 2018, 2018, 545-549.	1.2	6
176	A double Philadelphia chromosome-positive chronic myeloid leukemia patient, co-expressing P210^{BCR-ABL1} and P195^{BCR-ABL1} isoforms. Haematologica, 2018, 103, e549-e552.	1.7	6
177	Coupling an universal primer to SBE combined spectral codification strategy for single nucleotide polymorphism analysis. Journal of Biotechnology, 2013, 168, 90-94.	1.9	5
178	Multifunctional Gold Nanocarriers for Cancer Theranostics: From Bench to Bedside and Back Again?. Advances in Delivery Science and Technology, 2014, , 295-328.	0.4	5
179	Inorganic Coordination Chemistry: Where We Stand in Cancer Treatment?. , 2018, , .		5
180	Gold nanoprobe-based non-crosslinking hybridization for molecular diagnostics: an update. Expert Review of Molecular Diagnostics, 2018, 18, 767-773.	1.5	5

#	ARTICLE	IF	CITATIONS
181	Structural aspects of a trimetallic Cu ^{II} derivative: cytotoxicity and anti-proliferative activity on human cancer cell lines. <i>Journal of Coordination Chemistry</i> , 2019, 72, 920-940.	0.8	5
182	Nanotechnology for Cancer Diagnostics and Therapy – An Update on Novel Molecular Players. <i>Current Cancer Therapy Reviews</i> , 2014, 9, 164-172.	0.2	5
183	Liquid biopsies in myeloid malignancies. , 2019, 2, 1044-1061.		5
184	General FRET-based coding for application in multiplexing methods. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1130-1138.	1.6	4
185	Gold Nanoparticles for DNA/RNA-Based Diagnostics. , 2016, , 1339-1370.		4
186	Vanadium(IV) Complexes with Methyl-Substituted 8-Hydroxyquinolines: Catalytic Potential in the Oxidation of Hydrocarbons and Alcohols with Peroxides and Biological Activity. <i>Molecules</i> , 2021, 26, 6364.	1.7	4
187	Manganese(I) tricarbonyl complexes as potential anticancer agents. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 49-64.	1.1	4
188	Endogenous Fluorescent Proteins in the Mucus of an Intertidal Polychaeta: Clues for Biotechnology. <i>Marine Drugs</i> , 2022, 20, 224.	2.2	4
189	Coupling single base extension to a spectral codification tool for increased throughput screening. <i>Journal of Biotechnology</i> , 2011, 154, 199-204.	1.9	3
190	DNA adduct identification using gold aptamer nanoprobos. <i>IET Nanobiotechnology</i> , 2015, 9, 95-101.	1.9	3
191	Gold and Silver Nanoparticles for Diagnostics of Infection. , 2015, , 1-18.		3
192	Precision nanomedicine in cancer: how far are we from personalization?. <i>Expert Review of Precision Medicine and Drug Development</i> , 2016, 1, 227-228.	0.4	3
193	Gold Nanoparticles in Molecular Diagnostics and Molecular Therapeutics. , 2017, , 365-387.		3
194	Optical and Structural Characterization of a Chronic Myeloid Leukemia DNA Biosensor. <i>ACS Chemical Biology</i> , 2018, 13, 1235-1242.	1.6	3
195	Benchtop X-ray fluorescence imaging as a tool to study gold nanoparticle penetration in 3D cancer spheroids. <i>RSC Advances</i> , 2021, 11, 26344-26353.	1.7	3
196	Novel Optoelectronic Platform using an Amorphous/Nanocrystalline Silicon Biosensor for the Specific Identification of Unamplified Nucleic Acid Sequences Based on Gold Nanoparticle Probes. , 2007, , .		2
197	Use of cyclodextrins as scavengers of inhibitory photo-products in light controlled in vitro synthesis of RNA. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 213, 147-151.	2.0	2
198	Dual-color control of nucleotide polymerization sensed by a fluorescence actuator. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 751-756.	1.6	2

#	ARTICLE	IF	CITATIONS
199	Scalable approach for the production of functional DNA based gold nanoprobe. Journal of Membrane Science, 2015, 492, 528-535.	4.1	2
200	A novel mutation in CEBPA gene in a patient with acute myeloid leukemia. Leukemia and Lymphoma, 2016, 57, 711-713.	0.6	2
201	Water safety screening via multiplex LAMP-Au-nanoprobe integrated approach. Science of the Total Environment, 2020, 741, 140447.	3.9	2
202	The great biotechnological potential of a marine polychaete: An alliance between toxin and natural fluorescence. Frontiers in Marine Science, 0, 5, .	1.2	2
203	Gold Nanoparticles for DNA/RNA-Based Diagnostics. , 2015, , 1-25.		1
204	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. Chemistry - A European Journal, 2018, 24, 14571-14571.	1.7	1
205	RNA Quantification Using Noble Metal Nanoprobes: Simultaneous Identification of Several Different mRNA Targets Using Color Multiplexing and Application to Chronic Myeloid Leukemia Diagnostics. Methods in Molecular Biology, 2020, 2118, 251-268.	0.4	1
206	Molecular Diagnostics of Chronic Myeloid Leukemia: Precision Medicine via Gold Nanoparticles. , 2019, , 205-231.		1
207	A solvent-free strategy to prepare amorphous salts of folic acid with enhanced solubility and cell permeability. Chemistry Methods, 0, , .	1.8	1
208	Digital Microfluidics for Amplification Monitoring of Cancer Biomarkers. , 0, , .		1
209	Nanoparticles for Mass Spectrometry Applications. , 2015, , 1-23.		0
210	New lessons from ancient life: marine invertebrates as a source of new drugs. Annals of Medicine, 2024, 51, 45-45.	1.5	0
211	Nanoparticles for Mass Spectrometry Applications. , 2016, , 1371-1396.		0
212	Nanotheranostics in Gene Therapy. , 2020, , 82-115.		0