

Pedro Baptista

List of Publications by Citations

Source: <https://exaly.com/author-pdf/122400/pedro-baptista-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

199
papers

7,427
citations

41
h-index

80
g-index

216
ext. papers

8,770
ext. citations

5.3
avg, IF

6.38
L-index

#	Paper	IF	Citations
199	Noble metal nanoparticles for biosensing applications. <i>Sensors</i> , 2012 , 12, 1657-87	3.8	479
198	Targeting Tumor Microenvironment for Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	435
197	Gold nanoparticles for the development of clinical diagnosis methods. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 943-50	4.4	384
196	Nano-Strategies to Fight Multidrug Resistant Bacteria-"A Battle of the Titans". <i>Frontiers in Microbiology</i> , 2018 , 9, 1441	5.7	346
195	Noble metal nanoparticles applications in cancer. <i>Journal of Drug Delivery</i> , 2012 , 2012, 751075	2.3	304
194	Heterocyclic Anticancer Compounds: Recent Advances and the Paradigm Shift towards the Use of Nanomedicine's Tool Box. <i>Molecules</i> , 2015 , 20, 16852-91	4.8	286
193	Revisiting 30 years of biofunctionalization and surface chemistry of inorganic nanoparticles for nanomedicine. <i>Frontiers in Chemistry</i> , 2014 , 2, 48	5	254
192	Design of multifunctional gold nanoparticles for in vitro and in vivo gene silencing. <i>ACS Nano</i> , 2012 , 6, 8316-24	16.7	193
191	Gold-nanoparticle-probe-based assay for rapid and direct detection of Mycobacterium tuberculosis DNA in clinical samples. <i>Clinical Chemistry</i> , 2006 , 52, 1433-4	5.5	166
190	Exosome in tumour microenvironment: overview of the crosstalk between normal and cancer cells. <i>BioMed Research International</i> , 2014 , 2014, 179486	3	155
189	Contribution of efflux to the emergence of isoniazid and multidrug resistance in Mycobacterium tuberculosis. <i>PLoS ONE</i> , 2012 , 7, e34538	3.7	147
188	A low cost, safe, disposable, rapid and self-sustainable paper-based platform for diagnostic testing: lab-on-paper. <i>Nanotechnology</i> , 2014 , 25, 094006	3.4	146
187	Gold and silver nanoparticles for clinical diagnostics - From genomics to proteomics. <i>Journal of Proteomics</i> , 2012 , 75, 2811-23	3.9	130
186	In vivo tumor targeting via nanoparticle-mediated therapeutic siRNA coupled to inflammatory response in lung cancer mouse models. <i>Biomaterials</i> , 2013 , 34, 7744-53	15.6	117
185	Gold on paper-paper platform for Au-nanoprobe TB detection. <i>Lab on A Chip</i> , 2012 , 12, 4802-8	7.2	116
184	Photothermal enhancement of chemotherapy in breast cancer by visible irradiation of Gold Nanoparticles. <i>Scientific Reports</i> , 2017 , 7, 10872	4.9	97
183	Colorimetric detection of eukaryotic gene expression with DNA-derivatized gold nanoparticles. <i>Journal of Biotechnology</i> , 2005 , 119, 111-7	3.7	92

182	Gold Nanotheranostics: Proof-of-Concept or Clinical Tool?. <i>Nanomaterials</i> , 2015 , 5, 1853-1879	5.4	90
181	Antibody-drug gold nanoantennas with Raman spectroscopic fingerprints for in vivo tumour theranostics. <i>Journal of Controlled Release</i> , 2014 , 183, 87-93	11.7	86
180	New lessons from ancient life: marine invertebrates as a source of new drugs. <i>Annals of Medicine</i> , 2019 , 51, 45-45	1.5	78
179	Nanodiagnostics: fast colorimetric method for single nucleotide polymorphism/mutation detection. <i>IET Nanobiotechnology</i> , 2007 , 1, 53-7	2	77
178	Gold Nanoparticles for Diagnostics: Advances towards Points of Care. <i>Diagnostics</i> , 2016 , 6,	3.8	76
177	Gold-nanobeacons for simultaneous gene specific silencing and intracellular tracking of the silencing events. <i>Biomaterials</i> , 2013 , 34, 2516-23	15.6	71
176	Star-shaped magnetite@gold nanoparticles for protein magnetic separation and SERS detection. <i>RSC Advances</i> , 2014 , 4, 3690-3698	3.7	70
175	Gold-nanobeacons for gene therapy: evaluation of genotoxicity, cell toxicity and proteome profiling analysis. <i>Nanotoxicology</i> , 2014 , 8, 521-32	5.3	69
174	RNA quantification using gold nanoprobe - application to cancer diagnostics. <i>Journal of Nanobiotechnology</i> , 2010 , 8, 5	9.4	68
173	Field effect sensors for nucleic Acid detection: recent advances and future perspectives. <i>Sensors</i> , 2015 , 15, 10380-98	3.8	67
172	Au-nanoprobes for detection of SNPs associated with antibiotic resistance in Mycobacterium tuberculosis. <i>Nanotechnology</i> , 2010 , 21, 415101	3.4	67
171	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	17.9	63
170	Gold Nanoparticle Approach to the Selective Delivery of Gene Silencing in Cancer-The Case for Combined Delivery?. <i>Genes</i> , 2017 , 8,	4.2	61
169	Gold nanoparticle-based fluorescence immunoassay for malaria antigen detection. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1019-27	4.4	55
168	Gene Therapy in Cancer Treatment: Why Go Nano?. <i>Pharmaceutics</i> , 2020 , 12,	6.4	52
167	New insights into the use of magnetic force microscopy to discriminate between magnetic and nonmagnetic nanoparticles. <i>Nanotechnology</i> , 2010 , 21, 305706	3.4	52
166	Inkjet printed and "doctor blade" TiO ₂ photodetectors for DNA biosensors. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1229-34	11.8	52
165	Construction and analysis of a sequence-ready map in 4q25: Rieger syndrome can be caused by haploinsufficiency of RIEG, but also by chromosome breaks approximately 90 kb upstream of this gene. <i>Genomics</i> , 1998 , 47, 409-13	4.3	51

164	A promising road with challenges: where are gold nanoparticles in translational research?. <i>Nanomedicine</i> , 2014 , 9, 2353-70	5.6	50
163	Anti-cancer precision theranostics: a focus on multifunctional gold nanoparticles. <i>Expert Review of Molecular Diagnostics</i> , 2014 , 14, 1041-52	3.8	47
162	Gold nanoprobe assay for the identification of mycobacteria of the Mycobacterium tuberculosis complex. <i>Clinical Microbiology and Infection</i> , 2010 , 16, 1464-1469	9.5	46
161	Multifunctional gold-nanoparticles: A nanovectorization tool for the targeted delivery of novel chemotherapeutic agents. <i>Journal of Controlled Release</i> , 2017 , 245, 52-61	11.7	43
160	Nanotheranostics Targeting the Tumor Microenvironment. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 197	5.8	42
159	Synthesis, characterization, thermal properties and antiproliferative potential of copper(II) 4Rphenyl-terpyridine compounds. <i>Dalton Transactions</i> , 2016 , 45, 5339-55	4.3	41
158	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	5.7	40
157	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	6	39
156	Tumor Microenvironment Modulation via Gold Nanoparticles Targeting Malicious Exosomes: Implications for Cancer Diagnostics and Therapy. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	39
155	Gold-nanobeacons for real-time monitoring of RNA synthesis. <i>Biosensors and Bioelectronics</i> , 2012 , 36, 161-7	11.8	37
154	Bio-microfluidic platform for gold nanoprobe based DNA detection--application to Mycobacterium tuberculosis. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 87-93	11.8	37
153	Nanoparticles-Emerging Potential for Managing Leukemia and Lymphoma. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017 , 5, 79	5.8	36
152	Nanoparticles in molecular diagnostics. <i>Progress in Molecular Biology and Translational Science</i> , 2011 , 104, 427-88	4	36
151	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	3.4	35
150	Peptide-coated gold nanoparticles for modulation of angiogenesis in vivo. <i>International Journal of Nanomedicine</i> , 2016 , 11, 2633-9	7.3	35
149	Heteroleptic mononuclear compounds of ruthenium(ii): synthesis, structural analyses, in vitro antitumor activity and in vivo toxicity on zebrafish embryos. <i>Dalton Transactions</i> , 2016 , 45, 19127-19140	4.3	34
148	Organometallic compounds in cancer therapy: past lessons and future directions. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014 , 14, 1199-212	2.2	34
147	Ion sensing (EIS) real-time quantitative monitorization of isothermal DNA amplification. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 50-5	11.8	32

146	Portable optoelectronic biosensing platform for identification of mycobacteria from the Mycobacterium tuberculosis complex. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2012-7	11.8	31
145	Gold-silver-alloy nanoprobcs for one-pot multiplex DNA detection. <i>Nanotechnology</i> , 2010 , 21, 255101	3.4	31
144	Nanoparticle Drug Delivery Systems: Recent Patents and Applications in Nanomedicine. <i>Recent Patents on Nanomedicine</i> , 2014 , 3, 105-118		31
143	Evidence of one-way flow bioaccumulation of gold nanoparticles across two trophic levels. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	30
142	Digital Microfluidics for Nucleic Acid Amplification. <i>Sensors</i> , 2017 , 17,	3.8	30
141	Light activation of transcription: photocaging of nucleotides for control over RNA polymerization. <i>Nucleic Acids Research</i> , 2008 , 36, e90	20.1	30
140	Nanophotonics for Molecular Diagnostics and Therapy Applications. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-11	2.1	29
139	RNAi-based glyconanoparticles trigger apoptotic pathways for in vitro and in vivo enhanced cancer-cell killing. <i>Nanoscale</i> , 2015 , 7, 9083-91	7.7	28
138	Isothermal DNA amplification coupled to Au-nanoprobcs for detection of mutations associated to Rifampicin resistance in Mycobacterium tuberculosis. <i>Journal of Nanobiotechnology</i> , 2013 , 11, 38	9.4	28
137	Optimizing Au-nanoprobcs for specific sequence discrimination. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 77, 122-4	6	27
136	Ionic Liquids and Salts from Ibuprofen as Promising Innovative Formulations of an Old Drug. <i>ChemMedChem</i> , 2019 , 14, 907-911	3.7	27
135	Evaluation of cell toxicity and DNA and protein binding of green synthesized silver nanoparticles. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 101, 137-144	7.5	26
134	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. <i>Journal of Biological Inorganic Chemistry</i> , 2014 , 19, 787-803	3.7	26
133	Nanomaterials for reversion of multidrug resistance in cancer: a new hope for an old idea?. <i>Frontiers in Pharmacology</i> , 2013 , 4, 134	5.6	26
132	Paper-Based SERS Platform for One-Step Screening of Tetracycline in Milk. <i>Scientific Reports</i> , 2019 , 9, 17922	4.9	26
131	Gold Nanoparticles for BCR-ABL1 Gene Silencing: Improving Tyrosine Kinase Inhibitor Efficacy in Chronic Myeloid Leukemia. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 7, 408-416	10.7	25
130	POxylated Polyurea Dendrimers: Smart Core-Shell Vectors with IC50 Lowering Capacity. <i>Macromolecular Bioscience</i> , 2015 , 15, 1045-51	5.5	25
129	Effect of PEG biofunctional spacers and TAT peptide on dsRNA loading on gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	25

128	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	4.8	24
127	Enhancement of antibiotic effect via gold:silver-alloy nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	24
126	Light Irradiation of Gold Nanoparticles Toward Advanced Cancer Therapeutics. <i>Advanced Therapeutics</i> , 2020 , 3, 1900153	4.9	24
125	Combination of chemotherapy and Au-nanoparticle phototherapy in the visible light to tackle doxorubicin resistance in cancer cells. <i>Scientific Reports</i> , 2018 , 8, 11429	4.9	23
124	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	7.9	23
123	AuNPs for identification of molecular signatures of resistance. <i>Frontiers in Microbiology</i> , 2014 , 5, 455	5.7	22
122	Bacterial contig map of the 21q11 region associated with Alzheimer's disease and abnormal myelopoiesis in Down syndrome. <i>Genome Research</i> , 1998 , 8, 385-98	9.7	21
121	Gold nanoprobe for multi loci assessment of multi-drug resistant tuberculosis. <i>Tuberculosis</i> , 2014 , 94, 332-7	2.6	20
120	A Digital Microfluidics Platform for Loop-Mediated Isothermal Amplification Detection. <i>Sensors</i> , 2017 , 17,	3.8	20
119	Experimental photophysical characterization of fluorophores in the vicinity of gold nanoparticles. <i>Nanotechnology</i> , 2011 , 22, 415202	3.4	20
118	Real-time monitoring of PCR amplification of proto-oncogene c-MYC using a TaqMan electrolyte-insulator-semiconductor sensor. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 44-9	11.8	20
117	In vitro transcription and translation inhibition via DNA functionalized gold nanoparticles. <i>Nanotechnology</i> , 2010 , 21, 505101	3.4	20
116	Cancer Nanotechnology - Prospects for Cancer Diagnostics and Therapy. <i>Current Cancer Therapy Reviews</i> , 2009 , 5, 80-88	0.4	20
115	THE CHEMISTRY AND BIOLOGY OF GOLD NANOPARTICLE-MEDIATED PHOTOTHERMAL THERAPY: PROMISES AND CHALLENGES. <i>Nano LIFE</i> , 2013 , 03, 1330001	0.9	19
114	Imaging gold nanoparticles for DNA sequence recognition in biomedical applications. <i>IEEE Transactions on Nanobioscience</i> , 2007 , 6, 282-8	3.4	19
113	Current trends in molecular diagnostics of chronic myeloid leukemia. <i>Leukemia and Lymphoma</i> , 2017 , 58, 1791-1804	1.9	18
112	GLUT1 and GLUT3 involvement in anthocyanin gastric transport- Nanobased targeted approach. <i>Scientific Reports</i> , 2019 , 9, 789	4.9	18
111	Polyurea dendrimer for efficient cytosolic siRNA delivery. <i>RSC Advances</i> , 2014 , 4, 54872-54878	3.7	18

110	Development of a fast and efficient ultrasonic-based strategy for DNA fragmentation. <i>Talanta</i> , 2010 , 81, 881-6	6.2	17
109	Characterization of antiproliferative potential and biological targets of a copper compound containing 4Rphenyl terpyridine. <i>Journal of Biological Inorganic Chemistry</i> , 2015 , 20, 935-48	3.7	16
108	Gold nanoprobe-based non-crosslinking hybridization for molecular diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 2015 , 15, 1355-68	3.8	16
107	Potentiating angiogenesis arrest in vivo via laser irradiation of peptide functionalised gold nanoparticles. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 85	9.4	16
106	Nanodiagnostics: leaving the research lab to enter the clinics?. <i>Diagnosis</i> , 2014 , 1, 305-309	4.2	16
105	Gold Nanobeacons for Tracking Gene Silencing in Zebrafish. <i>Nanomaterials</i> , 2017 , 7,	5.4	16
104	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	10	15
103	pH effect on the photochemistry of 4-methylcoumarin phosphate esters: caged-phosphate case study. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 12795-803	2.8	15
102	Antibody modified gold nanoparticles for fast colorimetric screening of rheumatoid arthritis. <i>Analyst</i> , 2019 , 144, 3613-3619	5	14
101	In vitro and in vivo biological characterization of the anti-proliferative potential of a cyclic trinuclear organotin(IV) complex. <i>Molecular BioSystems</i> , 2016 , 12, 1015-23		14
100	Multifunctional microfluidic chip for optical nanoprobe based RNA detection - application to Chronic Myeloid Leukemia. <i>Scientific Reports</i> , 2018 , 8, 381	4.9	13
99	Characterization of genomic single nucleotide polymorphism via colorimetric detection using a single gold nanoprobe. <i>Analytical Biochemistry</i> , 2014 , 465, 1-5	3.1	13
98	One nanoprobe, two pathogens: gold nanoprobe multiplexing for point-of-care. <i>Journal of Nanobiotechnology</i> , 2015 , 13, 48	9.4	13
97	Antiproliferative Activities of Diimine-Based Mixed Ligand Copper(II) Complexes. <i>ACS Combinatorial Science</i> , 2020 , 22, 89-99	3.9	13
96	Liposomes as Delivery System of a Sn(IV) Complex for Cancer Therapy. <i>Pharmaceutical Research</i> , 2016 , 33, 1351-8	4.5	13
95	Colorimetric assessment of BCR-ABL1 transcripts in clinical samples via gold nanoprobe. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 5277-84	4.4	13
94	Counteracting the effect of leukemia exosomes by antiangiogenic gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2019 , 14, 6843-6854	7.3	12
93	Targeting Cancer Resistance via Multifunctional Gold Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	12

92	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, 1293-302	4.1	12
91	Allele specific LAMP- gold nanoparticle for characterization of single nucleotide polymorphisms. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2017 , 16, 21-25	5.3	12
90	Gold nanoprobe assay for the identification of mycobacteria of the <i>Mycobacterium tuberculosis</i> complex. <i>Clinical Microbiology and Infection</i> , 2010 , 16, 1464-9	9.5	12
89	The Intracellular Number of Magnetic Nanoparticles Modulates the Apoptotic Death Pathway after Magnetic Hyperthermia Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43474-43487	9.5	12
88	Occurrence of non-toxic bioemulsifiers during polyhydroxyalkanoate production by <i>Pseudomonas</i> strains valorizing crude glycerol by-product. <i>Bioresource Technology</i> , 2019 , 281, 31-40	11	11
87	Nanoparticle-antagomiR based targeting of miR-31 to induce osterix and osteocalcin expression in mesenchymal stem cells. <i>PLoS ONE</i> , 2018 , 13, e0192562	3.7	11
86	Structural characterization and biological properties of silver(I) tris(pyrazolyl)methane sulfonate. <i>Journal of Inorganic Biochemistry</i> , 2019 , 199, 110789	4.2	11
85	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	3.7	11
84	Modification of plasmid DNA topology by histone-mimetic gold nanoparticles. <i>Nanomedicine</i> , 2012 , 7, 1657-66	5.6	11
83	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	5.1	11
82	Gold nanoparticle-siRNA mediated oncogene knockdown at RNA and protein level, with associated gene effects. <i>Nanomedicine</i> , 2015 , 10, 2513-25	5.6	10
81	Gold Nanoparticles as (Bio)Chemical Sensors. <i>Comprehensive Analytical Chemistry</i> , 2014 , 66, 529-567	1.9	10
80	Gold nanoparticle-based theranostics: disease diagnostics and treatment using a single nanomaterial. <i>Nanobiosensors in Disease Diagnosis</i> , 2015 , 11		10
79	Application of Nanotechnology in Drug Delivery 2014 ,		10
78	Association of FTO and PPARG polymorphisms with obesity in Portuguese women. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2013 , 6, 241-5	3.4	10
77	Tackling Multidrug Resistance in Streptococci - From Novel Biotherapeutic Strategies to Nanomedicines. <i>Frontiers in Microbiology</i> , 2020 , 11, 579916	5.7	10
76	Square planar Au(III), Pt(II) and Cu(II) complexes with quinoline-substituted 2,2',6,6'-terpyridine ligands: From in vitro to in vivo biological properties. <i>European Journal of Medicinal Chemistry</i> , 2021 , 218, 113404	6.8	10
75	Targeting canine mammary tumours via gold nanoparticles functionalized with promising Co(II) and Zn(II) compounds. <i>Veterinary and Comparative Oncology</i> , 2017 , 15, 1537-1542	2.5	9

74	Gene Silencing Using Multifunctionalized Gold Nanoparticles for Cancer Therapy. <i>Methods in Molecular Biology</i> , 2017 , 1530, 319-336	1.4	9
73	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	11.8	9
72	Antiproliferative activity of heterometallic sodium and potassium-dioxidovanadium(V) polymers. <i>Journal of Inorganic Biochemistry</i> , 2019 , 200, 110811	4.2	9
71	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, 290-3	9.3	9
70	RNA quantification using noble metal nanoprobe: 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	1.4	9
69	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		9
68	Principles in genetic risk assessment. <i>Therapeutics and Clinical Risk Management</i> , 2005 , 1, 15-20	2.9	9
67	Improving the Anti-inflammatory Response via Gold Nanoparticle Vectorization of CO-Releasing Molecules. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1090-1101	5.5	9
66	Nanoparticles as Delivery Systems in Cancer Therapy 2019 , 257-295		9
65	Fast Prototyping Microfluidics: Integrating Droplet Digital Lamp for Absolute Quantification of Cancer Biomarkers. <i>Sensors</i> , 2020 , 20,	3.8	8
64	Mobile based gold nanoprobe TB diagnostics for point-of-need. <i>Methods in Molecular Biology</i> , 2015 , 1256, 41-56	1.4	8
63	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	3.9	8
62	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	8.5	8
61	Gold Nanoparticles for Vectorization of Nucleic Acids for Cancer Therapeutics. <i>Molecules</i> , 2020 , 25,	4.8	8
60	Size-Dependent Biological Activities of Fluorescent Organosilane-Modified Zinc Oxide Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2020 , 16, 137-152	4	8
59	POxylated Dendrimer-Based Nano-in-Micro Dry Powder Formulations for Inhalation Chemotherapy. <i>ChemistryOpen</i> , 2018 , 7, 772-779	2.3	8
58	Immortalization and characterization of a new canine mammary tumour cell line FR37-CMT. <i>Veterinary and Comparative Oncology</i> , 2017 , 15, 952-967	2.5	7
57	Single nucleotide polymorphism detection using gold nanoprobe and bio-microfluidic platform with embedded microlenses. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 1210-9	4.9	7

56	. <i>Journal of Display Technology</i> , 2013 , 9, 723-728		7
55	Multiplexed spectral coding for simultaneous detection of DNA hybridization reactions based on FRET. <i>Sensors and Actuators B: Chemical</i> , 2008 , 134, 146-157	8.5	7
54	Hyperthermia Induced by Gold Nanoparticles and Visible Light Phototherapy Combined with Chemotherapy to Tackle Doxorubicin Sensitive and Resistant Colorectal Tumor 3D Spheroids. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
53	BioCode gold-nanobeacon for the detection of fusion transcripts causing chronic myeloid leukemia. <i>Journal of Nanobiotechnology</i> , 2016 , 14, 38	9.4	7
52	Fast nucleotide identification through fingerprinting using gold nanoparticle-based surface-assisted laser desorption/ionisation. <i>Talanta</i> , 2013 , 105, 417-21	6.2	6
51	RNA quantification with gold nanoprobe for cancer diagnostics. <i>Clinics in Laboratory Medicine</i> , 2012 , 32, 1-13	2.1	6
50	Liposomal Nanosystems in Rheumatoid Arthritis. <i>Pharmaceutics</i> , 2021 , 13,	6.4	6
49	Synthesis of new hetero-arylidene-9(10H)-anthrone derivatives and their biological evaluation. <i>Bioorganic Chemistry</i> , 2020 , 99, 103849	5.1	5
48	Synthesis, Cytotoxicity Evaluation in Human Cell Lines and in Vitro DNA Interaction of a Hetero-Arylidene-9(10H)-Anthrone. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 545-549	3.2	5
47	Non-small cell lung cancer biomarkers and targeted therapy - two faces of the same coin fostered by nanotechnology. <i>Expert Review of Precision Medicine and Drug Development</i> , 2016 , 1, 155-168	1.6	5
46	A double Philadelphia chromosome-positive chronic myeloid leukemia patient, co-expressing P210 and P195 isoforms. <i>Haematologica</i> , 2018 , 103, e549-e552	6.6	5
45	Coupling an universal primer to SBE combined spectral codification strategy for single nucleotide polymorphism analysis. <i>Journal of Biotechnology</i> , 2013 , 168, 90-4	3.7	5
44	Alloy metal nanoparticles for multicolor cancer diagnostics 2011 ,		5
43	Rosa x hybrida extracts with dual actions: Antiproliferative effects against tumour cells and inhibitor of Alzheimer disease. <i>Food and Chemical Toxicology</i> , 2021 , 149, 112018	4.7	5
42	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	3	5
41	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	4.3	5
40	Structural aspects of a trimetallic CuII derivative: cytotoxicity and anti-proliferative activity on human cancer cell lines. <i>Journal of Coordination Chemistry</i> , 2019 , 72, 920-940	1.6	4
39	General FRET-based coding for application in multiplexing methods. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1130-8	4.2	4

38	Nanotechnology for Cancer Diagnostics and Therapy [An Update on Novel Molecular Players. <i>Current Cancer Therapy Reviews</i> , 2014 , 9, 164-172	0.4	4
37	Exploiting the antiproliferative potential of spiropyrazoline oxindoles in a human ovarian cancer cell line. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 30, 115880	3.4	4
36	Specific Antiproliferative Properties of Proteinaceous Toxin Secretions from the Marine Annelid sp. onto Ovarian Cancer Cells. <i>Marine Drugs</i> , 2021 , 19,	6	4
35	Cu(I) 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	4.3	4
34	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. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 1900447	3.1	3
33	Gold nanoprobe-based non-crosslinking hybridization for molecular diagnostics: an update. <i>Expert Review of Molecular Diagnostics</i> , 2018 , 18, 767-773	3.8	3
32	Coupling single base extension to a spectral codification tool for increased throughput screening. <i>Journal of Biotechnology</i> , 2011 , 154, 199-204	3.7	3
31	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	2.7	3
30	Inorganic Coordination Chemistry: Where We Stand in Cancer Treatment? 2018 ,		3
29	A novel mutation in a patient with Philadelphia chromosome-positive B-cell acute lymphoblastic leukemia. <i>OncoTargets and Therapy</i> , 2018 , 11, 8589-8598	4.4	3
28	Dual-color control of nucleotide polymerization sensed by a fluorescence actuator. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 751-6	4.2	2
27	Gold Nanoparticles in Molecular Diagnostics and Molecular Therapeutics 2017 , 365-387		2
26	DNA adduct identification using gold-aptamer nanoprobe. <i>IET Nanobiotechnology</i> , 2015 , 9, 95-101	2	2
25	Gold and Silver Nanoparticles for Diagnostics of Infection 2015 , 1-18		2
24	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
23	Genetic Biomarkers in Chronic Myeloid Leukemia: What Have We Learned So Far?. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
22	Gold Nanoparticles for DNA/RNA-Based Diagnostics 2016 , 1339-1370		2
21	Inflammatory factors, genetic variants, and predisposition for preterm birth. <i>Clinical Genetics</i> , 2021 , 100, 357-367	4	2

20	Combined cancer therapeutics-Tackling the complexity of the tumor microenvironment. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1704	9.2	2
19	A Transcriptomic Approach to the Recruitment of Venom Proteins in a Marine Annelid. <i>Toxins</i> , 2021 , 13,	4.9	2
18	A novel mutation in CEBPA gene in a patient with acute myeloid leukemia. <i>Leukemia and Lymphoma</i> , 2016 , 57, 711-3	1.9	1
17	Gold Nanoparticles for DNA/RNA-Based Diagnostics 2015 , 1-25		1
16	Scalable approach for the production of functional DNA based gold nanoprobos. <i>Journal of Membrane Science</i> , 2015 , 492, 528-535	9.6	1
15	Optical and Structural Characterization of a Chronic Myeloid Leukemia DNA Biosensor. <i>ACS Chemical Biology</i> , 2018 , 13, 1235-1242	4.9	1
14	Multifunctional Gold Nanocarriers for Cancer Theranostics: From Bench to Bedside and Back Again?. <i>Advances in Delivery Science and Technology</i> , 2014 , 295-328		1
13	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	4.7	1
12	Molecular Diagnostics of Chronic Myeloid Leukemia: Precision Medicine via Gold Nanoparticles 2019 , 205-231		1
11	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,	4.8	1
10	Liquid biopsies in myeloid malignancies. 2019 , 2, 1044-1061		1
9	Drug delivery nanosystems targeted to hepatic ischemia and reperfusion injury. <i>Drug Delivery and Translational Research</i> , 2021 , 11, 397-410	6.2	1
8	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, 14571-14571	4.8	1
7	Water safety screening via multiplex LAMP-Au-nanoprobe integrated approach. <i>Science of the Total Environment</i> , 2020 , 741, 140447	10.2	0
6	Manganese(I) tricarbonyl complexes as potential anticancer agents. <i>Journal of Biological Inorganic Chemistry</i> , 2021 , 1	3.7	0
5	Benchmark X-ray fluorescence imaging as a tool to study gold nanoparticle penetration in 3D cancer spheroids.. <i>RSC Advances</i> , 2021 , 11, 26344-26353	3.7	0
4	RNA Quantification Using Noble Metal Nanoprobos: Simultaneous Identification of Several Different mRNA Targets Using Color Multiplexing and Application to Chronic Myeloid Leukemia Diagnostics. <i>Methods in Molecular Biology</i> , 2020 , 2118, 251-268	1.4	0
3	Light Triggered Enhancement of Antibiotic Efficacy in Biofilm Elimination Mediated by Gold-Silver Alloy Nanoparticles.. <i>Frontiers in Microbiology</i> , 2022 , 13, 841124	5.7	0

2 Nanoparticles for Mass Spectrometry Applications **2015**, 1-23

1 Nanoparticles for Mass Spectrometry Applications **2016**, 1371-1396