

Natalia Malara

List of Publications by Citations

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

80
papers

1,596
citations

23
h-index

37
g-index

86
ext. papers

1,998
ext. citations

4.5
avg, IF

4.53
L-index

#	Paper	IF	Citations
80	Activating E17K mutation in the gene encoding the protein kinase AKT1 in a subset of squamous cell carcinoma of the lung. <i>Cell Cycle</i> , 2008 , 7, 665-9	4.7	146
79	Chemotherapeutic Drugs and Mitochondrial Dysfunction: Focus on Doxorubicin, Trastuzumab, and Sunitinib. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 7582730	6.7	145
78	The treatment of hyperuricemia. <i>International Journal of Cardiology</i> , 2016 , 213, 23-7	3.2	103
77	Microfluidic platforms for cell cultures and investigations. <i>Microelectronic Engineering</i> , 2019 , 208, 14-28	2.5	80
76	Role of Macrophages in Brain Tumor Growth and Progression. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	57
75	Liposomal delivery improves the growth-inhibitory and apoptotic activity of low doses of gemcitabine in multiple myeloma cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008 , 4, 155-66	6	46
74	Endothelial progenitor cells, defined by the simultaneous surface expression of VEGFR2 and CD133, are not detectable in healthy peripheral and cord blood. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016 , 89, 259-70	4.6	41
73	Nanoparticle microinjection and Raman spectroscopy as tools for nanotoxicology studies. <i>Analyst, The</i> , 2011 , 136, 4402-8	5	41
72	Innate Immunity: A Common Denominator between Neurodegenerative and Neuropsychiatric Diseases. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	40
71	Electroless deposition and nanolithography can control the formation of materials at the nano-scale for plasmonic applications. <i>Sensors</i> , 2014 , 14, 6056-83	3.8	39
70	Characterization of breast cancer interstitial fluids by TmT labeling, LTQ-Orbitrap Velos mass spectrometry, and pathway analysis. <i>Journal of Proteome Research</i> , 2012 , 11, 3199-210	5.6	39
69	Nano-topography Enhances Communication in Neural Cells Networks. <i>Scientific Reports</i> , 2017 , 7, 9841	4.9	35
68	Interleukin-6 receptor superantagonist Sant7 inhibits TGF-beta-induced proliferation of human lung fibroblasts. <i>Cell Proliferation</i> , 2008 , 41, 393-407	7.9	35
67	Simultaneous inhibition of the constitutively activated nuclear factor kappaB and of the interleukin-6 pathways is necessary and sufficient to completely overcome apoptosis resistance of human U266 myeloma cells. <i>Cell Cycle</i> , 2008 , 7, 3235-45	4.7	34
66	Ex-vivo characterization of circulating colon cancer cells distinguished in stem and differentiated subset provides useful biomarker for personalized metastatic risk assessment. <i>Journal of Translational Medicine</i> , 2016 , 14, 133	8.5	31
65	Raman database of amino acids solutions: a critical study of extended multiplicative signal correction. <i>Analyst, The</i> , 2013 , 138, 7331-40	5	30
64	Protein-carbohydrate complex reveals circulating metastatic cells in a microfluidic assay. <i>Small</i> , 2013 , 9, 2152-61	11	30

63	Aurora Kinase A expression predicts platinum-resistance and adverse outcome in high-grade serous ovarian carcinoma patients. <i>Journal of Ovarian Research</i> , 2016 , 9, 31	5.5	29
62	Microfluidic devices modulate tumor cell line susceptibility to NK cell recognition. <i>Small</i> , 2012 , 8, 2886-941		28
61	A microfluidic device integrating plasmonic nanodevices for Raman spectroscopy analysis on trapped single living cells. <i>Microelectronic Engineering</i> , 2013 , 111, 314-319	2.5	27
60	A facile in situ microfluidic method for creating multivalent surfaces: toward functional glycomics. <i>Lab on A Chip</i> , 2012 , 12, 1500-7	7.2	27
59	Innate Immunity Cells and the Neurovascular Unit. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	26
58	A Fluidic Motherboard for Multiplexed Simultaneous and Modular Detection in Microfluidic Systems for Biological Application. <i>Micro and Nanosystems</i> , 2010 , 2, 227-238	0.6	24
57	Photolithography and micromolding techniques for the realization of 3D polycaprolactone scaffolds for tissue engineering applications. <i>Microelectronic Engineering</i> , 2015 , 141, 135-139	2.5	22
56	In Vitro Long-Term Expansion and High Osteogenic Potential of Periodontal Ligament Stem Cells: More Than a Mirage. <i>Cell Transplantation</i> , 2019 , 28, 129-139	4	22
55	Animal models of cardiac cachexia. <i>International Journal of Cardiology</i> , 2016 , 219, 105-10	3.2	21
54	A standardized flow cytometry network study for the assessment of circulating endothelial cell physiological ranges. <i>Scientific Reports</i> , 2018 , 8, 5823	4.9	20
53	Severe Acute Respiratory Syndrome Coronavirus 2 Pandemic. <i>Archives of Pathology and Laboratory Medicine</i> , 2020 , 144, 1048-1056	5	19
52	Cell rolling and adhesion on surfaces in shear flow. A model for an antibody-based microfluidic screening system. <i>Microelectronic Engineering</i> , 2012 , 98, 668-671	2.5	19
51	Ageing, hormonal behaviour and cyclin D1 in ductal breast carcinomas. <i>Breast</i> , 2006 , 15, 81-9	3.6	19
50	Galectin-3 coats the membrane of breast cells and makes a signature of tumours. <i>Molecular BioSystems</i> , 2014 , 10, 258-65		18
49	Microfluidic biofunctionalisation protocols to form multi-valent interactions for cell rolling and phenotype modification investigations. <i>Electrophoresis</i> , 2013 , 34, 1845-51	3.6	18
48	Superhydrophobic lab-on-chip measures secretome protonation state and provides a personalized risk assessment of sporadic tumour. <i>Npj Precision Oncology</i> , 2018 , 2, 26	9.8	16
47	Immunohistochemical analysis of 4-aminobiphenyl-DNA adducts in oral mucosal cells of smokers and nonsmokers. <i>Anticancer Research</i> , 1997 , 17, 2827-30	2.3	16
46	From nucleotides to DNA analysis by a SERS substrate of a self similar chain of silver nanospheres. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 114021	1.7	15

45	Cancer Therapy: Folic Acid Functionalized Surface Highlights 5-Methylcytosine-Genomic Content within Circulating Tumor Cells (Small 21/2014). <i>Small</i> , 2014 , 10, 4412-4412	11	14
44	Extracellular Matrix in Calcific Aortic Valve Disease: Architecture, Dynamic and Perspectives. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	13
43	Plasmonic nanoholes as SERS devices for biosensing applications: An easy route for nanostructures fabrication on glass substrates. <i>Microelectronic Engineering</i> , 2017 , 175, 30-33	2.5	12
42	Non-invasive real-time biopsy of intracranial lesions using short time expanded circulating tumor cells on glass slide: report of two cases. <i>BMC Neurology</i> , 2016 , 16, 127	3.1	12
41	Emerging Designs of Electronic Devices in Biomedicine. <i>Micromachines</i> , 2020 , 11,	3.3	11
40	The effect of peroxydinitrite decomposition catalyst MnTBAP on aldehyde dehydrogenase-2 nitration by organic nitrates: role in nitrate tolerance. <i>Pharmacological Research</i> , 2014 , 89, 29-35	10.2	11
39	HIF-1, the Warburg Effect, and Macrophage/Microglia Polarization Potential Role in COVID-19 Pathogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 8841911	6.7	11
38	Innate immunity may play a role in growth and relapse of chordoid meningioma. <i>International Journal of Immunopathology and Pharmacology</i> , 2017 , 30, 429-433	3	10
37	Innate immunity in cardiac myxomas and its pathological and clinical correlations. <i>Innate Immunity</i> , 2018 , 24, 47-53	2.7	10
36	Cortical-like mini-columns of neuronal cells on zinc oxide nanowire surfaces. <i>Scientific Reports</i> , 2019 , 9, 4021	4.9	9
35	Low dose of acetylsalicylic acid and oxidative stress-mediated endothelial dysfunction in diabetes: a short-term evaluation. <i>Acta Diabetologica</i> , 2015 , 52, 249-56	3.9	9
34	Combined effect of surface nano-topography and delivery of therapeutics on the adhesion of tumor cells on porous silicon substrates. <i>Microelectronic Engineering</i> , 2016 , 158, 6-10	2.5	7
33	A case of intravascular large B cell lymphoma: New clinical and immunohistochemical findings. <i>Neuropathology</i> , 2016 , 36, 496-503	2	7
32	Folic acid functionalized surface highlights 5-methylcytosine-genomic content within circulating tumor cells. <i>Small</i> , 2014 , 10, 4324-31	11	6
31	Raman Spectroscopic Stratification of Multiple Myeloma Patients Based on Exosome Profiling. <i>ACS Omega</i> , 2020 , 5, 30436-30443	3.9	6
30	A droplet reactor on a super-hydrophobic surface allows control and characterization of amyloid fibril growth. <i>Communications Biology</i> , 2020 , 3, 457	6.7	6
29	Aspirin wears smart. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2017 , 3, 185-188	6.4	5
28	Key Role of Cytochrome C for Apoptosis Detection Using Raman Microimaging in an Animal Model of Brain Ischemia with Insulin Treatment. <i>Applied Spectroscopy</i> , 2019 , 73, 1208-1217	3.1	5

27	Immunotherapy in gliomas: Are we reckoning without the innate immunity?. <i>International Journal of Immunopathology and Pharmacology</i> , 2019 , 33, 2058738419843378	3	5
26	Microenvironment Molecular Profile Combining Glycation Adducts and Cytokines Patterns on Secretome of Short-term Blood-derived Cultures during Tumour Progression. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
25	Surface enhanced Raman spectroscopy measurements of MCF7 cells adhesion in confined micro-environments. <i>Optics and Lasers in Engineering</i> , 2016 , 76, 9-16	4.6	5
24	Isolation of cancer cells by in situ microfluidic biofunctionalization protocols. <i>Microelectronic Engineering</i> , 2014 , 124, 76-80	2.5	5
23	Extravascular type of intravascular papillary endothelial hyperplasia mimicking parotid gland neoplasia and the possible role of ferritin in the pathogenesis: A case report. <i>Molecular and Clinical Oncology</i> , 2017 , 6, 193-196	1.6	4
22	Tailoring Chemometric Models on Blood-Derived Cultures Secretome to Assess Personalized Cancer Risk Score. <i>Cancers</i> , 2020 , 12,	6.6	4
21	UbCH10 a Major Actor in Cancerogenesis and a Potential Tool for Diagnosis and Therapy. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
20	Soluble CD54 induces human endothelial cells ex vivo expansion useful for cardiovascular regeneration and tissue engineering application. <i>IJC Heart and Vasculature</i> , 2015 , 6, 48-53	2.4	4
19	Kinetic Rate Constants of Gold Nanoparticle Deposition on Silicon. <i>Langmuir</i> , 2019 , 35, 14258-14265	4	3
18	Classical differentiation protocols upregulate the expression of the axon guidance genes PLXNA2 and SEMA3C in SH-SY5Y neuroblastoma cells. <i>Human Cell</i> , 2019 , 32, 397-400	4.5	3
17	Cell Theranostics on Mesoporous Silicon Substrates. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
16	Innate and Adaptive Immunity Linked to Recognition of Antigens Shared by Neural Crest-Derived Tumors. <i>Cancers</i> , 2020 , 12,	6.6	3
15	Bergamot polyphenolic fraction counteracts erectile dysfunction occurring in patients suffering from type 2 diabetes. <i>PharmaNutrition</i> , 2016 , 4, S41-S46	2.9	3
14	Cross-talks in colon cancer between RAGE/AGEs axis and inflammation/immunotherapy. <i>Oncotarget</i> , 2021 , 12, 1281-1295	3.3	3
13	Tailoring super-hydrophobic properties of electrochemical biosensor for early cancer detection. <i>MRS Advances</i> , 2016 , 1, 3545-3552	0.7	3
12	Anti-Apoptotic and Anti-Oxidant Proteins in Glioblastomas: Immunohistochemical Expression of Beclin and DJ-1 and Its Correlation with Prognosis. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
11	Preliminary results on an innovative plasmonic device for macromolecules analysis and sequencing. <i>Microelectronic Engineering</i> , 2013 , 111, 360-364	2.5	2
10	Cardiac myxoma and neural crests: a tense relationship. <i>Cardiovascular Pathology</i> , 2020 , 44, 107163	3.8	2

9	La biopsia liquida nella diagnosi del carcinoma tiroideo indifferenziato. <i>L Endocrinologo</i> , 2018 , 19, 270-272		2
8	Does a polarization state exist for mast cells in cancer?. <i>Medical Hypotheses</i> , 2019 , 131, 109281	3.8	1
7	Novel application of mesenchymal stem cells from mammary artery. <i>International Journal of Cardiology</i> , 2015 , 182, 466-8	3.2	1
6	Pilocytic Astrocytoma-Derived Cells in Peripheral Blood: A Case Report. <i>Frontiers in Oncology</i> , 2021 , 11, 737730	5.3	1
5	Methylglyoxal Adducts Levels in Blood Measured on by Portable Near-Infrared Spectroscopy. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
4	Complete blood cell count-derived ratios can be useful biomarkers for neurological diseases. <i>International Journal of Immunopathology and Pharmacology</i> , 2021 , 35, 20587384211048264	3	1
3	Mycosis fungoides and gastric T-cell lymphoma: A case report. <i>Molecular and Clinical Oncology</i> , 2020 , 13, 15	1.6	0
2	The use of scanning electron microscopy and energy dispersive X-ray spectroscopy in a case of occupational death. <i>Medico-Legal Journal</i> , 2020 , 88, 163-168	1.4	0
1	The Future Direction in Endometrial Oncology through the Liquid Biopsy 2022 , 235-250		