

Mohammad Ali Khayamian

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5662127/mohammad-ali-khayamian-publications-by-year.pdf>

Version: 2024-04-23

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.

33
papers

404
citations

10
h-index

20
g-index

33
ext. papers

483
ext. citations

7.9
avg, IF

3.48
L-index

#	Paper	IF	Citations
33	Electrochemical tracing of hypoxia glycolysis by carbon nanotube sensors, a new hallmark for intraoperative detection of suspicious margins to breast neoplasia.. <i>Bioengineering and Translational Medicine</i> , 2022 , 7, e10236	14.8	2
32	Effect of Post IORT Wound Fluid Secretion (PIWFS) on the Behavior of Breast Cancer Cells: Stimulator or Inhibitor; Report of an Experimental Study on Breast Cancer.. <i>Archives of Iranian Medicine</i> , 2022 , 25, 78-84	2.4	0
31	Electrochemical measuring of reactive oxygen species levels in the blood to detect ratio of high-density neutrophils, suitable to alarm presence of cancer in suspicious cases.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 209, 114488	3.5	0
30	Intraoperative pathologically-calibrated diagnosis of lymph nodes involved by breast cancer cells based on electrical impedance spectroscopy; a prospective diagnostic human model study. <i>International Journal of Surgery</i> , 2021 , 96, 106166	7.5	0
29	A label-free graphene-based impedimetric biosensor for real-time tracing of the cytokine storm in blood serum; suitable for screening COVID-19 patients.. <i>RSC Advances</i> , 2021 , 11, 34503-34515	3.7	0
28	Positive electrostatic therapy of metastatic tumors: selective induction of apoptosis in cancer cells by pure charges. <i>Cancer Medicine</i> , 2021 , 10, 7475-7491	4.8	1
27	Capture-free deactivation of CTCs in the bloodstream; a metastasis suppression method by electrostatic stimulation of the peripheral blood. <i>Biosensors and Bioelectronics</i> , 2021 , 183, 113194	11.8	2
26	The design and fabrication of nanoengineered platinum needles with laser welded carbon nanotubes (CNTs) for the electrochemical biosensing of cancer lymph nodes. <i>Biomaterials Science</i> , 2021 , 9, 6214-6226	7.4	3
25	Cyclic voltammetric biosensing of cellular ionic secretion based on silicon nanowires to detect the effect of paclitaxel on breast normal and cancer cells. <i>Microelectronic Engineering</i> , 2021 , 239-240, 111512	2.5	2
24	Label-free mechano-electrical investigation of single cancer cells by dielectrophoretic-induced stretch assay. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130409	8.5	1
23	Bioelectrical pathology of the breast; real-time diagnosis of malignancy by clinically calibrated impedance spectroscopy of freshly dissected tissue. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112421	11.8	7
22	Nanoporous platinum needle for cancer tumor destruction by EChT and impedance-based intra-therapeutic monitoring. <i>Nanoscale</i> , 2020 , 12, 22129-22139	7.7	0
21	Low frequency stimulation induces polarization-based capturing of normal, cancerous and white blood cells: a new separation method for circulating tumor cell enrichment or phenotypic cell sorting. <i>Analyst, The</i> , 2020 , 145, 7636-7645	5	2
20	Electrochemical generation of microbubbles by carbon nanotube interdigital electrodes to increase the permeability and material uptakes of cancer cells. <i>Drug Delivery</i> , 2019 , 26, 928-934	7	6
19	Stretch Induces Invasive Phenotypes in Breast Cells Due to Activation of Aerobic-Glycolysis-Related Pathways. <i>Advanced Biology</i> , 2019 , 3, e1800294	3.5	2
18	Carbon nanotube based dielectric spectroscopy of tumor secretion; electrochemical lipidomics for cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111566	11.8	7
17	Microfluidic platform with integrated electrical actuator to enrich and locating atypical/cancer cells from liquid cytology samples. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126733	8.5	4

16	Stretch-Induced Invasion: Stretch Induces Invasive Phenotypes in Breast Cells Due to Activation of Aerobic-Glycolysis-Related Pathways (Adv. Biosys. 7/2019). <i>Advanced Biology</i> , 2019 , 3, 1970075	3.5	1
15	Microneedle-Based Generation of Microbubbles in Cancer Tumors to Improve Ultrasound-Assisted Drug Delivery. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900613	10.1	25
14	Ultrasound-Assisted Drug Delivery: Microneedle-Based Generation of Microbubbles in Cancer Tumors to Improve Ultrasound-Assisted Drug Delivery (Adv. Healthcare Mater. 17/2019). <i>Advanced Healthcare Materials</i> , 2019 , 8, 1970070	10.1	
13	Bioelectronics of The Cellular Cytoskeleton: Monitoring Cytoskeletal Conductance Variation for Sensing Drug Resistance. <i>ACS Sensors</i> , 2019 , 4, 353-362	9.2	9
12	Applying VHB acrylic elastomer as a cell culture and stretchable substrate. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 1096-1104	3	4
11	Monitoring the effect of sonoporation on the cells using electrochemical approach. <i>Ultrasonics Sonochemistry</i> , 2018 , 41, 619-625	8.9	10
10	Ultrasound assisted electrochemical distinction of normal and cancerous cells. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1-7	8.5	9
9	Metas-Chip precisely identifies presence of micrometastasis in live biopsy samples by label free approach. <i>Nature Communications</i> , 2017 , 8, 2175	17.4	12
8	Folic Acid Functionalized Vertically Aligned Carbon Nanotube (FA-VACNT) Electrodes for Cancer Sensing Applications. <i>Journal of Materials Science and Technology</i> , 2016 , 32, 617-625	9.1	23
7	Incorporation of asymmetric yield and hardening behaviour in axisymmetric elastoplastic problems. <i>Materials and Design</i> , 2016 , 99, 490-499	8.1	5
6	Nanoelectromechanical Chip (NELMEC) Combination of Nanoelectronics and Microfluidics to Diagnose Epithelial and Mesenchymal Circulating Tumor Cells from Leukocytes. <i>Small</i> , 2016 , 12, 883-91	11	31
5	Silicon nanowire based biosensing platform for electrochemical sensing of Mebendazole drug activity on breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 363-370	11.8	30
4	A single-cell correlative nanoelectromechanosensing approach to detect cancerous transformation: monitoring the function of F-actin microfilaments in the modulation of the ion channel activity. <i>Nanoscale</i> , 2015 , 7, 1879-87	7.7	13
3	Silicon nanoglass based impedance biosensor for label free detection of rare metastatic cells among primary cancerous colon cells, suitable for more accurate cancer staging. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 151-9	11.8	32
2	Spongy graphene electrode in electrochemical detection of leukemia at single-cell levels. <i>Carbon</i> , 2014 , 79, 654-663	10.4	87
1	A vertically aligned carbon nanotube-based impedance sensing biosensor for rapid and high sensitive detection of cancer cells. <i>Lab on A Chip</i> , 2012 , 12, 1183-90	7.2	74