

Elahe Alizadeh

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,336
citations

567247

15
h-index

361001

35
g-index

38
all docs

38
docs citations

38
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomolecular Damage Induced by Ionizing Radiation: The Direct and Indirect Effects of Low-Energy Electrons on DNA. <i>Annual Review of Physical Chemistry</i> , 2015, 66, 379-398.	10.8	347
2	Precursors of Solvated Electrons in Radiobiological Physics and Chemistry. <i>Chemical Reviews</i> , 2012, 112, 5578-5602.	47.7	309
3	Radiation Damage to DNA: The Indirect Effect of Low-Energy Electrons. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 820-825.	4.6	98
4	Identification of novel dynaminâ€related protein 1 (Drp1) GTPase inhibitors: <i>Therapeutic potential of Drpitor1 and Drpitor1a in cancer and cardiac ischemiaâ€reperfusion injury</i>. <i>FASEB Journal</i> , 2020, 34, 1447-1464.	0.5	68
5	A Single Subexcitationâ€Energy Electron Can Induce a Doubleâ€Strand Break in DNA Modified by Platinum Chemotherapeutic Drugs. <i>ChemMedChem</i> , 2014, 9, 1145-1149.	3.2	43
6	Mitochondria in the Pulmonary Vasculature in Health and Disease: Oxygenâ€Sensing, Metabolism, and Dynamics. , 2020, 10, 713-765.		39
7	Soft X-ray and Low Energy Electron-Induced Damage to DNA under N₂ and O₂ Atmospheres. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4523-4531.	2.6	35
8	Oxygen sensing, mitochondrial biology and experimental therapeutics for pulmonary hypertension and cancer. <i>Free Radical Biology and Medicine</i> , 2021, 170, 150-178.	2.9	32
9	⁸⁹ Zr-nimotuzumab for immunoPET imaging of epidermal growth factor receptor I. <i>Oncotarget</i> , 2018, 9, 17117-17132.	1.8	31
10	Detailed dissociative electron attachment studies on the amino acid proline. <i>International Journal of Mass Spectrometry</i> , 2008, 277, 274-278.	1.5	27
11	Bond dissociation of the dipeptide dialanine and its derivative alanine anhydride induced by low energy electrons. <i>Journal of Chemical Physics</i> , 2011, 134, 054305.	3.0	27
12	Role of Humidity and Oxygen Level on Damage to DNA Induced by Soft X-rays and Low-Energy Electrons. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22445-22453.	3.1	27
13	¹¹¹ In- and ²²⁵ Ac-Labeled Cixutumumab for Imaging and Î±-Particle Radiotherapy of IGF-1R Positive Triple-Negative Breast Cancer. <i>Molecular Pharmaceutics</i> , 2019, 16, 4807-4816.	4.6	23
14	Preclinical Evaluation of ¹¹¹ In-Labeled PEGylated Maytansine Nimotuzumab Drug Conjugates in EGFR-Positive Cancer Models. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1103-1110.	5.0	22
15	Low-energy-electron interactions with DNA: approaching cellular conditions with atmospheric experiments. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	21
16	Induction of strand breaks in DNA films by low energy electrons and soft X-ray under nitrous oxide atmosphere. <i>Radiation Physics and Chemistry</i> , 2012, 81, 33-39.	2.8	18
17	Thymidine Decomposition Induced by Low-Energy Electrons and Soft X Rays under N₂ and O₂ Atmospheres. <i>Radiation Research</i> , 2014, 181, 629-640.	1.5	16
18	Negative ion formation by low energy electron attachment to gas-phase 5-nitrouracil. <i>International Journal of Mass Spectrometry</i> , 2008, 277, 291-295.	1.5	15

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19	DNA-Platinum Thin Films for Use in Chemoradiation Therapy Studies. <i>Bioinorganic Chemistry and Applications</i> , 2012, 2012, 1-9.	4.1	14
20	Measurements of G Values for DNA Damage Induced by Low-Energy Electrons. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14852-14858.	2.6	13
21	Supraa€coronary aortic banding improves right ventricular function in experimental pulmonary arterial hypertension in rats by increasing systolic right coronary artery perfusion. <i>Acta Physiologica</i> , 2020, 229, e13483.	3.8	12
22	Recent Advances in Plasma-Based Cancer Treatments: Approaching Clinical Translation through an Intracellular View. <i>Biophysica</i> , 2021, 1, 48-72.	1.4	12
23	$^{99m}\text{Tc}(\text{CO})_3^+$ labeled domain I/II-specific anti-EGFR (scFv) ₂ antibody fragment for imaging EGFR expression. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 437-446.	5.5	11
24	Absolute measurements of radiation damage in nanometer-thick films. <i>Radiation Protection Dosimetry</i> , 2012, 151, 591-599.	0.8	9
25	Low-energy electron-induced dissociation in gas-phase nicotine, pyridine, and methyl-pyrrolidine. <i>Journal of Chemical Physics</i> , 2017, 147, 094303.	3.0	9
26	Nimotuzumab Site-Specifically Labeled with ^{89}Zr and ^{225}Ac Using SpyTag/SpyCatcher for PET Imaging and Alpha Particle Radioimmunotherapy of Epidermal Growth Factor Receptor Positive Cancers. <i>Cancers</i> , 2020, 12, 3449.	3.7	8
27	Concussion/Mild Traumatic Brain Injury (TBI) Induces Brain Insulin Resistance: A Positron Emission Tomography (PET) Scanning Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9005.	4.1	8
28	^{111}In -Labeled Glycoprotein Nonmetastatic b (GPNMB) Targeted Gemini Surfactant-Based Nanoparticles against Melanoma: In Vitro Characterization and in Vivo Evaluation in Melanoma Mouse Xenograft Model. <i>Molecular Pharmaceutics</i> , 2019, 16, 542-551.	4.6	7
29	Development and preclinical evaluation of cixutumumab drug conjugates in a model of insulin growth factor receptor I (IGF-1R) positive cancer. <i>Scientific Reports</i> , 2020, 10, 18549.	3.3	7
30	Large-Scale Image Analysis for Investigating Spatio-Temporal Changes in Nuclear DNA Damage Caused by Nitrogen Atmospheric Pressure Plasma Jets. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4127.	4.1	6
31	Low-energy electron-induced dissociation in condensed-phase L-cysteine II: a comparative study on anion desorption from chemisorbed and physisorbed films. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	5
32	^{89}Zr -Labeled Domain II-Specific scFv-Fc ImmunoPET Probe for Imaging Epidermal Growth Factor Receptor In Vivo. <i>Cancers</i> , 2021, 13, 560.	3.7	5
33	Transient Anions in Radiobiology and Radiotherapy: From Gaseous Biomolecules to Condensed Organic and Biomolecular Solids. , 0, , .		4
34	On the possibility of using low-energy electron stimulated desorption of ions as a surface probe: Analysis of Au substrates. <i>International Journal of Mass Spectrometry</i> , 2016, 394, 33-41.	1.5	3
35	Environmental and Safety Aspects of Using Tritium in Fusion. <i>Journal of Fusion Energy</i> , 2006, 25, 47-55.	1.2	2
36	Electron induced degradation of condensed $\text{Fe}(\text{CO})_5$ studied by electron stimulated desorption. <i>Journal of Physics: Conference Series</i> , 2015, 635, 062012.	0.4	2

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37	Low-energy Electrons Interactions with Chemisorbed and Physisorbed Films of L-cysteine/Au(111). Journal of Physics: Conference Series, 2015, 635, 062008.	0.4	1
38	Absolute vibrational cross sections for low energy electron (1-19 eV) scattering from condensed tetrahydrofuran (THF). Journal of Physics: Conference Series, 2015, 635, 062013.	0.4	0