

# Katarzyna Roszek

## List of Publications by Year in descending order

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45  
papers

557  
citations

687363

13  
h-index

713466

21  
g-index

47  
all docs

47  
docs citations

47  
times ranked

835  
citing authors

#	ARTICLE	IF	CITATIONS
1	MOF materials as therapeutic agents, drug carriers, imaging agents and biosensors in cancer biomedicine: Recent advances and perspectives. <i>Progress in Materials Science</i> , 2021, 117, 100743.	32.8	120
2	Controlling enzymatic activity by immobilization on graphene oxide. <i>Die Naturwissenschaften</i> , 2017, 104, 36.	1.6	37
3	The role of purinergic signaling in the etiology of migraine and novel antimigraine treatment. <i>Purinergic Signalling</i> , 2015, 11, 307-316.	2.2	28
4	Air pollution, UV irradiation and skin carcinogenesis: what we know, where we stand and what is likely to happen in the future?. <i>Postepy Dermatologii i Alergologii</i> , 2017, 1, 6-14.	0.9	18
5	Cytotoxic or Not? Disclosing the Toxic Nature of Carbonaceous Nanomaterials through Nano-Bio Interactions. <i>Materials</i> , 2020, 13, 2060.	2.9	18
6	Nanovehicles as a novel target strategy for hyperthermic intraperitoneal chemotherapy: a multidisciplinary study of peritoneal carcinomatosis. <i>Oncotarget</i> , 2015, 6, 22776-22798.	1.8	18
7	How to influence the mesenchymal stem cells fate? Emerging role of ectoenzymes metabolizing nucleotides. <i>Journal of Cellular Physiology</i> , 2019, 234, 320-334.	4.1	17
8	Is Ecto-nucleoside Triphosphate Diphosphohydrolase (NTPDase)-based Therapy of Central Nervous System Disorders Possible?. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015, 15, 5-20.	2.4	16
9	Graphene Oxide-Mediated Protection from Photodamage. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3241-3244.	4.6	16
10	Novel biocatalytic systems for maintaining the nucleotide balance based on adenylate kinase immobilized on carbon nanostructures. <i>Materials Science and Engineering C</i> , 2018, 88, 130-139.	7.3	15
11	In Vitro Studies on Nanoporous, Nanotubular and Nanosponge-Like Titania Coatings, with the Use of Adipose-Derived Stem Cells. <i>Materials</i> , 2020, 13, 1574.	2.9	14
12	New Insight into the Fluorescence Quenching of Nitrogen-Containing Carbonaceous Quantum Dots-From Surface Chemistry to Biomedical Applications. <i>Materials</i> , 2021, 14, 2454.	2.9	13
13	The roles of purinergic signaling in psychiatric disorders.. <i>Acta Biochimica Polonica</i> , 2016, 63, 1-9.	0.5	13
14	Conscious Changes of Carbon Nanotubes Cytotoxicity by Manipulation with Selected Nanofactors. <i>Applied Biochemistry and Biotechnology</i> , 2015, 176, 730-741.	2.9	12
15	Neurogenic Differentiation of Mesenchymal Stem Cells Induces Alterations in Extracellular Nucleotides Metabolism. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 478-486.	2.6	12
16	Titania Nanofiber Scaffolds with Enhanced Biointegration Activity-Preliminary In Vitro Studies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5642.	4.1	12
17	Chondrogenic Differentiation of Human Mesenchymal Stem Cells Results in Substantial Changes of Ecto-Nucleotides Metabolism. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2915-2923.	2.6	11
18	Nucleotides metabolizing ectoenzymes as possible markers of mesenchymal stem cell osteogenic differentiation. <i>Biochemistry and Cell Biology</i> , 2013, 91, 176-181.	2.0	10

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19	Assessment of Titanate Nanolayers in Terms of Their Physicochemical and Biological Properties. <i>Materials</i> , 2021, 14, 806.	2.9	10
20	The adenosinergic pathway in mesenchymal stem cell fate and functions. <i>Medicinal Research Reviews</i> , 2021, 41, 2316-2349.	10.5	10
21	Carbon materials as new nanovehicles in hot-melt drug deposition. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 355002.	1.8	9
22	Canine Adipose-Derived Stem Cells: Purinergic Characterization and Neurogenic Potential for Therapeutic Applications. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 58-65.	2.6	9
23	Dramatic differences in activity of purines metabolizing ecto-enzymes between mesenchymal stem cells isolated from human umbilical cord blood and umbilical cord tissue. <i>Biochemistry and Cell Biology</i> , 2013, 91, 519-525.	2.0	8
24	Biologically Active Constituents from <i>Salix viminalis</i> Bio-Oil and Their Protective Activity Against Hydrogen Peroxide-Induced Oxidative Stress in Chinese Hamster Ovary Cells. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 2153-2161.	2.9	7
25	Protein Corona Hinders N-CQDs Oxidative Potential and Favors Their Application as Nanobiocatalytic System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8136.	4.1	7
26	Cystine-based MBioF for Maintaining the Antioxidant-Oxidant Balance in Airway Diseases. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1280-1284.	2.8	6
27	Porphyrin Based 2D-MOF Structures as Dual-Kinetic Sorafenib Nanocarriers for Hepatoma Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11161.	4.1	6
28	Solvothermally-derived nanoglass as a highly bioactive material. <i>Nanoscale</i> , 2022, 14, 5514-5528.	5.6	6
29	A New Approach to Obtaining Nano-Sized Graphene Oxide for Biomedical Applications. <i>Materials</i> , 2021, 14, 1327.	2.9	5
30	Determination of Graphene Oxide Adsorption Space by Lysozyme Uptake-Mechanistic Studies. <i>Journal of Physical Chemistry B</i> , 2022, 126, 928-933.	2.6	5
31	Purinergic signaling in the pancreas and the therapeutic potential of ecto-nucleotidases in diabetes. <i>Acta Biochimica Polonica</i> , 2014, 61, 655-62.	0.5	5
32	Phenolipids as new food additives: from synthesis to cell-based biological activities. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2022, 39, 1365-1379.	2.3	5
33	Underestimated Properties of Nanosized Amorphous Titanium Dioxide. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2460.	4.1	4
34	The Oxime Ethers with Heterocyclic, Alicyclic and Aromatic Moiety as Potential Anti-Cancer Agents. <i>Molecules</i> , 2022, 27, 1374.	3.8	4
35	Some aspects of purinergic signaling in the ventricular system of porcine brain. <i>Acta Veterinaria Scandinavica</i> , 2011, 53, 54.	1.6	3
36	Gene Expression and Activity Profiling Reveal a Significant Contribution of Exo-Phosphotransferases to the Extracellular Nucleotides Metabolism in HUVEC Endothelial Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1341-1348.	2.6	3

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37	Chemical and Biochemical Approach to Make a Perfect Biocatalytic System on Carbonaceous Matrices. <i>Methods in Enzymology</i> , 2018, 609, 221-245.	1.0	3
38	New strategy of controlled, stepwise release from novel MBioF and its potential application for drug delivery systems. <i>Adsorption</i> , 2019, 25, 383-391.	3.0	3
39	Carbonaceous Nanomaterials-Mediated Defense Against Oxidative Stress. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020, 20, 294-307.	2.4	3
40	The increase of adenylate kinase activity in the blood can control aggregation of platelets in coronary or peripheral arterial ischemia. <i>Health</i> , 2010, 02, 246-252.	0.3	3
41	Fluorescent Chitosan Modified with Heterocyclic Aromatic Dyes. <i>Materials</i> , 2021, 14, 6429.	2.9	3
42	Cholesterol sulphate sulphohydrolase of human placenta lysosomal membrane. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008, 110, 48-55.	2.5	1
43	Effect of ZnO on sol-gel glass properties toward (bio)application. <i>Polyhedron</i> , 2022, 223, 115952.	2.2	1
44	Afm Monitoring of Elasticity Changes Accompanying Differentiation Towards Neural Cells. <i>Biophysical Journal</i> , 2015, 108, 169a.	0.5	0
45	Comment on "Elucidating the binding efficacy of $\beta$ -galactosidase on graphene by docking approach and its potential application in galacto-oligosaccharide production". <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 797-798.	3.4	0