

Iwona Inkielewicz-Stepniak

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,397
citations

361413

20
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

2559
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of gold nanoparticles shape on their cytotoxicity against human osteoblast and osteosarcoma in in vitro model. Evaluation of the safety of use and anti-cancer potential. Journal of Materials Science: Materials in Medicine, 2019, 30, 22.	3.6	127
2	Metal nanoparticles in dermatology and cosmetology: Interactions with human skin cells. Chemico-Biological Interactions, 2018, 295, 38-51.	4.0	126
3	Mechanisms of Toxicity of Amorphous Silica Nanoparticles on Human Lung Submucosal Cells in Vitro: Protective Effects of Fisetin. Chemical Research in Toxicology, 2012, 25, 2227-2235.	3.3	107
4	Silver nanoparticles of different sizes induce a mixed type of programmed cell death in human pancreatic ductal adenocarcinoma. Oncotarget, 2018, 9, 4675-4697.	1.8	100
5	Capping Agent-Dependent Toxicity and Antimicrobial Activity of Silver Nanoparticles: An <i>In Vitro</i> Study. Concerns about Potential Application in Dental Practice. International Journal of Medical Sciences, 2016, 13, 772-782.	2.5	79
6	The Role of Mucin in the Toxicological Impact of Polystyrene Nanoparticles. Materials, 2018, 11, 724.	2.9	65
7	Impact of fluoxetine on liver damage in rats. Pharmacological Reports, 2011, 63, 441-447.	3.3	58
8	Fisetin prevents fluoride- and dexamethasone-induced oxidative damage in osteoblast and hippocampal cells. Food and Chemical Toxicology, 2012, 50, 583-589.	3.6	57
9	Role of Oxidative and Nitro-Oxidative Damage in Silver Nanoparticles Cytotoxic Effect against Human Pancreatic Ductal Adenocarcinoma Cells. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-15.	4.0	57
10	Pharmacological and toxicological effects of co-exposure of human gingival fibroblasts to silver nanoparticles and sodium fluoride. International Journal of Nanomedicine, 2014, 9, 1677.	6.7	51
11	Titanium dioxide nanoparticles enhance production of superoxide anion and alter the antioxidant system in human osteoblast cells. International Journal of Nanomedicine, 2015, 10, 1095.	6.7	49
12	Molecular and Cellular Mechanisms of Cytotoxic Activity of Vanadium Compounds against Cancer Cells. Molecules, 2020, 25, 1757.	3.8	49
13	CuO nanoparticles induce apoptosis by impairing the antioxidant defense and detoxification systems in the mouse hippocampal HT22 cell line: Protective effect of crocetin. Toxicology in Vitro, 2015, 29, 663-671.	2.4	48
14	Molecular Mechanism of Silver Nanoparticles-Induced Human Osteoblast Cell Death: Protective Effect of Inducible Nitric Oxide Synthase Inhibitor. PLoS ONE, 2016, 11, e0164137.	2.5	44
15	Selective cytotoxicity of vanadium complexes on human pancreatic ductal adenocarcinoma cell line by inducing necroptosis, apoptosis and mitotic catastrophe process. Oncotarget, 2017, 8, 60324-60341.	1.8	40
16	Therapeutic Potential of Multifunctional Tacrine Analogues. Current Neuropharmacology, 2019, 17, 472-490.	2.9	35
17	Therapeutic Potential of Carnosine and Its Derivatives in the Treatment of Human Diseases. Chemical Research in Toxicology, 2020, 33, 1561-1578.	3.3	33
18	<p></p>Effects of functionalized silver nanoparticles on aggregation of human blood platelets<p></p>. International Journal of Nanomedicine, 2019, Volume 14, 7399-7417.	6.7	29

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19	Anti-inflammatory and antioxidative effects of the buds from different species of Populus in human gingival fibroblast cells: Role of bioflavanones. <i>Phytomedicine</i> , 2019, 56, 1-9.	5.3	25
20	Electrochemical and Biological Studies on Reactivity of [VO(oda)(H ₂ O) ₂], [Co(oda)(H ₂ O) ₂]·H ₂ O, and [Ni(oda)(H ₂ O) ₃]·1.5H ₂ O Towards Superoxide Free Radicals. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1795-1799.	1.2	20
21	New Oxidovanadium(IV) Coordination Complex Containing 2-Methylnitriilotriacetate Ligands Induces Cell Cycle Arrest and Autophagy in Human Pancreatic Ductal Adenocarcinoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2019, 20, 261.	4.1	20
22	Assessment of Anti-Tumor potential and safety of application of Glutathione stabilized Gold Nanoparticles conjugated with Chemotherapeutics. <i>International Journal of Medical Sciences</i> , 2020, 17, 824-833.	2.5	20
23	Shape-Depended Biological Properties of Ag ₃ PO ₄ Microparticles: Evaluation of Antimicrobial Properties and Cytotoxicity in <i>In Vitro</i> Model Safety Assessment of Potential Clinical Usage. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-19.	4.0	18
24	Silver Nanoparticles as Chlorhexidine and Metronidazole Drug Delivery Platforms: Their Potential Use in Treating Periodontitis. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 495-517.	6.7	18
25	Synthesis of silver nanoparticles in context of their cytotoxicity, antibacterial activities, skin penetration and application in skincare products. <i>Supramolecular Chemistry</i> , 2020, 32, 207-221.	1.2	17
26	Effect of exposure to fluoride and acetaminophen on oxidative/nitrosative status of liver and kidney in male and female rats. <i>Pharmacological Reports</i> , 2012, 64, 902-911.	3.3	16
27	Therapeutic Potential of Multifunctional Derivatives of Cholinesterase Inhibitors. <i>Current Neuropharmacology</i> , 2021, 19, 1323-1344.	2.9	14
28	Modified Nanoparticles as Potential Agents in Bone Diseases: Cancer and Implant-Related Complications. <i>Nanomaterials</i> , 2020, 10, 658.	4.1	13
29	Design, synthesis and biological evaluation of novel N-phosphorylated and O-phosphorylated tacrine derivatives as potential drugs against Alzheimer's disease. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1012-1022.	5.2	11
30	Characterization and cytotoxic effect of aqua-(2,2'-nitriilotriacetato)-oxo-vanadium salts on human osteosarcoma cells. <i>BioMetals</i> , 2017, 30, 261-275.	4.1	10
31	Pancreatic Cancer and Platelets Crosstalk: A Potential Biomarker and Target. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 749689.	3.7	10
32	Influence of Primary Ligands (ODA, TDA) on Physicochemical and Biological Properties of Oxidovanadium (IV) Complexes with Bipy and Phen as Auxiliary Ligands. <i>Biological Trace Element Research</i> , 2016, 174, 251-258.	3.5	7
33	Lipoic Acid-Coated Silver Nanoparticles: Biosafety Potential on the Vascular Microenvironment and Antibacterial Properties. <i>Frontiers in Pharmacology</i> , 2021, 12, 733743.	3.5	7
34	Oxidovanadium(IV) Complex Disrupts Mitochondrial Membrane Potential and Induces Apoptosis in Pancreatic Cancer Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 21, 71-83.	1.7	4
35	Structural characterization and biological properties of a new dinuclear oxidovanadium(IV) N-(phosphonomethyl)iminodiacetate complex with the 4-amino-2-methylquinolinium cation. <i>Polyhedron</i> , 2017, 133, 75-81.	2.2	3
36	Structure, Physicochemical and Biological Properties of an Aqua (2,2'-nitriilotriacetato)oxidovanadium(IV) Salt with 4-Methylpyridinium Cation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 501-510.	1.2	3

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37	Opioid Growth Factor and its Derivatives as Potential Non-toxic Multifunctional Anticancer and Analgesic Compounds. <i>Current Medicinal Chemistry</i> , 2021, 28, 673-686.	2.4	3
38	Synthesis and Cholinesterase Inhibitory Activity of N-Phosphorylated/ N-Tiophosphorylated Tacrine. <i>Medicinal Chemistry</i> , 2020, 16, 947-957.	1.5	2
39	Inhibition of human constitutive 20S proteasome and 20S immunoproteasome with novel N-terminally modified peptide aldehydes and their antitumor activity. <i>Peptide Science</i> , 2019, 111, e24100.	1.8	1
40	Nanodrugs as a New Approach in the Therapy of Cardiovascular Diseases and Cancer with Tumor-associated Angiogenesis. <i>Current Medicinal Chemistry</i> , 2021, 28, 5527-5550.	2.4	1