

# Agnieszka KyzioÅ,

## List of Publications by Year in descending order

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58  
papers

2,566  
citations

236833

25  
h-index

197736

49  
g-index

60  
all docs

60  
docs citations

60  
times ranked

4328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Noncytotoxic Chitosan-Gold Nanocomposites as Efficient Antibacterial Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1087-1099.	4.0	258
2	Engineering of relevant photodynamic processes through structural modifications of metallotetrapyrrolic photosensitizers. <i>Coordination Chemistry Reviews</i> , 2016, 325, 67-101.	9.5	222
3	Visible light inactivation of bacteria and fungi by modified titanium dioxide. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 642-648.	1.6	207
4	Singlet Oxygen Photogeneration at Surface Modified Titanium Dioxide. <i>Journal of the American Chemical Society</i> , 2006, 128, 15574-15575.	6.6	194
5	Preparation and characterization of chitosan-silver nanocomposite films and their antibacterial activity against <i>Staphylococcus aureus</i> . <i>Nanotechnology</i> , 2013, 24, 015101.	1.3	124
6	Bioinorganic antimicrobial strategies in the resistance era. <i>Coordination Chemistry Reviews</i> , 2017, 351, 76-117.	9.5	124
7	Probing the Modes of Antibacterial Activity of Chitosan. Effects of pH and Molecular Weight on Chitosan Interactions with Membrane Lipids in Langmuir Films. <i>Biomacromolecules</i> , 2011, 12, 4144-4152.	2.6	114
8	Development of noncytotoxic silver-chitosan nanocomposites for efficient control of biofilm forming microbes. <i>RSC Advances</i> , 2017, 7, 52398-52413.	1.7	87
9	Preparation and characterization of electrospun alginate nanofibers loaded with ciprofloxacin hydrochloride. <i>European Polymer Journal</i> , 2017, 96, 350-360.	2.6	79
10	Green Synthesis of Chitosan-Stabilized Copper Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4940-4947.	1.0	72
11	Copper complexes with phosphine derived from sparfloxacin. Part II: a first insight into the cytotoxic action mode. <i>Dalton Transactions</i> , 2016, 45, 5052-5063.	1.6	55
12	Bactericidal Effect of Gold-Chitosan Nanocomposites in Coculture Models of Pathogenic Bacteria and Human Macrophages. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 17693-17701.	4.0	51
13	Photodynamic activity of platinum(IV) chloride surface-modified TiO <sub>2</sub> irradiated with visible light. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1120-1130.	1.3	48
14	Chitosan as a subphase disturbant of membrane lipid monolayers. The effect of temperature at varying pH: I. DPPG. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 349-358.	2.3	48
15	Structure, characterization and cytotoxicity study on plasma surface modified Ti-6Al-4V and $\beta$ -TiAl alloys. <i>Chemical Engineering Journal</i> , 2014, 240, 516-526.	6.6	44
16	Copper complexes with phosphine derived from sparfloxacin. Part I - structures, spectroscopic properties and cytotoxicity. <i>Dalton Transactions</i> , 2015, 44, 12688-12699.	1.6	44
17	Chitosan as a subphase disturbant of membrane lipid monolayers. The effect of temperature at varying pH: II. DPPG and cholesterol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 359-364.	2.3	42
18	Chitosan-based nanocomposites for the repair of bone defects. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2231-2240.	1.7	42

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19	Tackling microbial infections and increasing resistance involving formulations based on antimicrobial polymers. <i>Chemical Engineering Journal</i> , 2020, 385, 123888.	6.6	40
20	Study on inhibitory activity of chitosan-based materials against biofilm producing <i>Pseudomonas aeruginosa</i> strains. <i>Journal of Biomaterials Applications</i> , 2015, 30, 269-278.	1.2	39
21	New copper(I) complexes bearing lomefloxacin motif: Spectroscopic properties, in vitro cytotoxicity and interactions with DNA and human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 25-35.	1.5	37
22	Preparation and characterization of alginate/chitosan formulations for ciprofloxacin-controlled delivery. <i>Journal of Biomaterials Applications</i> , 2017, 32, 162-174.	1.2	36
23	Copper(I) complexes with phosphine derived from sparfloxacin. Part III: multifaceted cell death and preliminary study of liposomal formulation of selected copper(I) complexes. <i>Dalton Transactions</i> , 2018, 47, 1981-1992.	1.6	36
24	Phosphine derivatives of ciprofloxacin and norfloxacin, a new class of potential therapeutic agents. <i>New Journal of Chemistry</i> , 2014, 38, 1062.	1.4	31
25	Copper(I) complexes with phosphines P(p-OCH <sub>3</sub> -Ph) <sub>2</sub> CH <sub>2</sub> OH and P(p-OCH <sub>3</sub> -Ph) <sub>2</sub> CH <sub>2</sub> SarGly. Synthesis, multimodal DNA interactions, and prooxidative and in vitro antiproliferative activity. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110926.	1.5	29
26	Copper(I) (Pseudo)Halide Complexes with Neocuproine and Aminomethylphosphines Derived from Morpholine and Thiomorpholine – In Vitro Cytotoxic and Antimicrobial Activity and the Interactions with DNA and Serum Albumins. <i>Chemical Biology and Drug Design</i> , 2013, 82, 579-586.	1.5	25
27	Phosphine derivatives of sparfloxacin – Synthesis, structures and in vitro activity. <i>Journal of Molecular Structure</i> , 2015, 1096, 55-63.	1.8	24
28	Perspectives of molecular and nanostructured systems with d- and f-block metals in photogeneration of reactive oxygen species for medical strategies. <i>Coordination Chemistry Reviews</i> , 2019, 398, 113012.	9.5	23
29	Selective Cu(I) complex with phosphine-peptide ( SarGly ) conjugate contra breast cancer: Synthesis, spectroscopic characterization and insight into cytotoxic action. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 162-175.	1.5	22
30	Towards plant-mediated chemistry – Au nanoparticles obtained using aqueous extract of <i>Rosa damascena</i> and their biological activity in vitro. <i>Journal of Inorganic Biochemistry</i> , 2021, 214, 111300.	1.5	22
31	Towards prevention of biofilm formation: Ti6Al7Nb modified with nanocomposite layers of chitosan and Ag/Au nanoparticles. <i>Applied Surface Science</i> , 2021, 557, 149795.	3.1	22
32	Polymeric micelle-mediated delivery of half-sandwich ruthenium(II) complexes with phosphanes derived from fluoroquinolones for lung adenocarcinoma treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 128, 69-81.	2.0	21
33	Interaction of methotrexate, an anticancer agent, with copper(II) ions: coordination pattern, DNA-cleaving properties and cytotoxic studies. <i>Medicinal Chemistry Research</i> , 2015, 24, 115-123.	1.1	19
34	CuI and CuII complexes with phosphine derivatives of fluoroquinolone antibiotics – A comparative study on the cytotoxic mode of action. <i>Journal of Inorganic Biochemistry</i> , 2018, 181, 1-10.	1.5	19
35	Anticancer potency of novel organometallic Ir(III) complexes with phosphine derivatives of fluoroquinolones encapsulated in polymeric micelles. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3386-3401.	3.0	19
36	Ruthenium(II) piano stool coordination compounds with aminomethylphosphanes: Synthesis, characterisation and preliminary biological study in vitro. <i>Journal of Inorganic Biochemistry</i> , 2017, 170, 178-187.	1.5	18

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37	Relationship between copper( <i>II</i> ) complexes with FomA adhesin fragments of <i>F. nucleatum</i> and colorectal cancer. Coordination pattern and ability to promote ROS production. Dalton Transactions, 2018, 47, 5445-5458.	1.6	18
38	Synthesis and characterization of copper(I) coordination compounds with (1-(2-pyridylazo)-2-naphthol) and (4-(2-pyridylazo)resorcinol). Polyhedron, 2014, 68, 357-364.	1.0	17
39	Surface Functionalization With Biopolymers via Plasma-Assisted Surface Grafting and Plasma-Induced Graft Polymerization Materials for Biomedical Applications. , 2018, , 115-151.		16
40	Antibacterial composite hybrid coatings of veterinary medical implants. Materials Science and Engineering C, 2020, 112, 110968.	3.8	16
41	ROS-mediated lipid peroxidation as a result of Cu( <i>II</i> ) interaction with FomA protein fragments of <i>F. nucleatum</i> : relevance to colorectal carcinogenesis. Metallomics, 2019, 11, 2066-2077.	1.0	15
42	New ruthenium( <i>II</i> ) coordination compounds possessing bidentate aminomethylphosphane ligands: synthesis, characterization and preliminary biological study in vitro. Dalton Transactions, 2015, 44, 13969-13978.	1.6	14
43	AM3 inhibits LPS-induced iNOS expression in mice. International Immunopharmacology, 2005, 5, 1165-1170.	1.7	11
44	Chitosan-based coatings in the prevention of intravascular catheter-associated infections. Journal of Biomaterials Applications, 2018, 32, 725-737.	1.2	11
45	Physicochemical and Biological Activity Analysis of Low-Density Polyethylene Substrate Modified by Multi-Layer Coatings Based on DLC Structures, Obtained Using RF CVD Method. Coatings, 2018, 8, 135.	1.2	11
46	Evaluation of anticancer activity in vitro of a stable copper(I) complex with phosphine-peptide conjugate. Scientific Reports, 2021, 11, 23943.	1.6	11
47	Unexpected formation of [Ru( $\eta^5$ -C <sub>5</sub> H <sub>5</sub> )(PH(CH <sub>2</sub> ) <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> O] complex bearing a secondary aminomethylphosphane ligand. RSC Advances, 2015, 5, 2952-2955.	1.7	10
48	Cu(II) Complexes with FomA Protein Fragments of <i>Fusobacterium Nucleatum</i> Increase Oxidative Stress and Malondialdehyde Level. Chemical Research in Toxicology, 2019, 32, 2227-2237.	1.7	10
49	Impact of chitosan/noble metals-based coatings on the plasmochemically activated surface of NiTi alloy. Materials Chemistry and Physics, 2020, 248, 122931.	2.0	7
50	Synthesis, structural characterization, docking simulation and in vitro antiproliferative activity of the new gold(III) complex with 2-pyridineethanol. Journal of Inorganic Biochemistry, 2021, 215, 111311.	1.5	7
51	Dual-purpose surface functionalization of Ti-6Al-7Nb involving oxygen plasma treatment and Si-DLC or chitosan-based coatings. Materials Science and Engineering C, 2021, 121, 111848.	3.8	7
52	Electrostatic self-assembly approach in the deposition of bio-functional chitosan-based layers enriched with caffeic acid on Ti-6Al-7Nb alloys by alternate immersion. , 2022, 136, 212791.		7
53	Effects of the Selected Iminosugar Derivatives on <i>Pseudomonas aeruginosa</i> Biofilm Formation. Microbial Drug Resistance, 2016, 22, 638-645.	0.9	6
54	Tertiary to secondary reduction of aminomethylphosphane derived from 1-ethylpiperazine as a result of its coordination to ruthenium(II) centre The first insight into the nature of process. Journal of Molecular Structure, 2016, 1121, 104-110.	1.8	5

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55	Impact of the Cu(II) ions on the chemical and biological properties of goserelin – coordination pattern, DNA degradation, oxidative reactivity and in vitro cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 167-178.	1.5	5
56	Two out of Three Musketeers Fight against Cancer: Synthesis, Physicochemical, and Biological Properties of Phosphino CuI, RuII, IrIII Complexes. <i>Pharmaceuticals</i> , 2022, 15, 169.	1.7	5
57	New trends in the application of laser flash photolysis – case studies. <i>Journal of Coordination Chemistry</i> , 2010, 63, 2695-2714.	0.8	4
58	Synthesis, physicochemical characterization and antiproliferative activity of phosphino Ru(II) and Ir(III) complexes. <i>Dalton Transactions</i> , 2022, 51, 8605-8617.	1.6	3