

Agnieszka Kyziol

List of Publications by Citations

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57
papers

1,923
citations

23
h-index

43
g-index

60
ext. papers

2,241
ext. citations

6
avg, IF

4.95
L-index

#	Paper	IF	Citations
57	Development of noncytotoxic chitosan-gold nanocomposites as efficient antibacterial materials. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1087-99	9.5	200
56	Visible light inactivation of bacteria and fungi by modified titanium dioxide. <i>Photochemical and Photobiological Sciences</i> , 2007 , 6, 642-8	4.2	179
55	Singlet oxygen photogeneration at surface modified titanium dioxide. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15574-5	16.4	168
54	Engineering of relevant photodynamic processes through structural modifications of metallotetrapyrrolic photosensitizers. <i>Coordination Chemistry Reviews</i> , 2016 , 325, 67-101	23.2	145
53	Preparation and characterization of chitosan-silver nanocomposite films and their antibacterial activity against <i>Staphylococcus aureus</i> . <i>Nanotechnology</i> , 2013 , 24, 015101	3.4	109
52	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, 4144-52	6.9	94
51	Bioinorganic antimicrobial strategies in the resistance era. <i>Coordination Chemistry Reviews</i> , 2017 , 351, 76-117	23.2	86
50	Development of noncytotoxic silver-chitosan nanocomposites for efficient control of biofilm forming microbes. <i>RSC Advances</i> , 2017 , 7, 52398-52413	3.7	65
49	Preparation and characterization of electrospun alginate nanofibers loaded with ciprofloxacin hydrochloride. <i>European Polymer Journal</i> , 2017 , 96, 350-360	5.2	52
48	Green Synthesis of Chitosan-Stabilized Copper Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, n/a-n/a	2.3	49
47	Copper(I) complexes with phosphine derived from sparfloxacin. Part II: a first insight into the cytotoxic action mode. <i>Dalton Transactions</i> , 2016 , 45, 5052-63	4.3	44
46	Bactericidal Effect of Gold-Chitosan Nanocomposites in Coculture Models of Pathogenic Bacteria and Human Macrophages. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17693-17701	9.5	41
45	Photodynamic activity of platinum(IV) chloride surface-modified TiO ₂ irradiated with visible light. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 1120-30	7.8	40
44	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 ^{5.1}		39
43	Copper(i) complexes with phosphine derived from sparfloxacin. Part I - structures, spectroscopic properties and cytotoxicity. <i>Dalton Transactions</i> , 2015 , 44, 12688-99	4.3	36
42	Structure, characterization and cytotoxicity study on plasma surface modified TiBAl _{0.4} V and TiAl alloys. <i>Chemical Engineering Journal</i> , 2014 , 240, 516-526	14.7	36
41	Study on inhibitory activity of chitosan-based materials against biofilm producing <i>Pseudomonas aeruginosa</i> strains. <i>Journal of Biomaterials Applications</i> , 2015 , 30, 269-78	2.9	34

40	Chitosan as a subphase disturbant of membrane lipid monolayers. The effect of temperature at varying pH: II. DPPC and cholesterol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 434, 359-364	5.1	34
39	Chitosan-based nanocomposites for the repair of bone defects. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 2231-2240	6	31
38	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	4.3	29
37	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	4.2	28
36	Phosphine derivatives of ciprofloxacin and norfloxacin, a new class of potential therapeutic agents. <i>New Journal of Chemistry</i> , 2014 , 38, 1062	3.6	25
35	Preparation and characterization of alginate/chitosan formulations for ciprofloxacin-controlled delivery. <i>Journal of Biomaterials Applications</i> , 2017 , 32, 162-174	2.9	24
34	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, 579-86	2.9	22
33	Tackling microbial infections and increasing resistance involving formulations based on antimicrobial polymers. <i>Chemical Engineering Journal</i> , 2020 , 385, 123888	14.7	21
32	Phosphine derivatives of sparfloxacin [Synthesis, structures and in vitro activity. <i>Journal of Molecular Structure</i> , 2015 , 1096, 55-63	3.4	20
31	Synthesis and characterization of copper(I) coordination compounds with (1-(2-pyridylazo)-2-naphthol) and (4-(2-pyridylazo)resorcinol). <i>Polyhedron</i> , 2014 , 68, 357-364	2.7	17
30	Copper(I) complexes with phosphines P(p-OCH-Ph)CHOH and P(p-OCH-Ph)CHSarGly. Synthesis, multimodal DNA interactions, and prooxidative and in vitro antiproliferative activity. <i>Journal of Inorganic Biochemistry</i> , 2020 , 203, 110926	4.2	17
29	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	23.2	16
28	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	4.2	15
27	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	2.2	15
26	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	4.2	15
25	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	5.7	14
24	Cu and Cu 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	4.2	13
23	New ruthenium(II) coordination compounds possessing bidentate aminomethylphosphane ligands: synthesis, characterization and preliminary biological study in vitro. <i>Dalton Transactions</i> , 2015 , 44, 13969-13978	4.3	13

22	Surface Functionalization With Biopolymers via Plasma-Assisted Surface Grafting and Plasma-Induced Graft Polymerization Materials for Biomedical Applications 2018 , 115-151		11
21	AM3 inhibits LPS-induced iNOS expression in mice. <i>International Immunopharmacology</i> , 2005 , 5, 1165-70	5.8	11
20	Towards prevention of biofilm formation: Ti6Al7Nb modified with nanocomposite layers of chitosan and Ag/Au nanoparticles. <i>Applied Surface Science</i> , 2021 , 557, 149795	6.7	11
19	Relationship between copper(ii) complexes with FomA adhesin fragments of <i>F. nucleatum</i> and colorectal cancer. Coordination pattern and ability to promote ROS production. <i>Dalton Transactions</i> , 2018 , 47, 5445-5458	4.3	10
18	ROS-mediated lipid peroxidation as a result of Cu(ii) interaction with FomA protein fragments of <i>F. nucleatum</i> : relevance to colorectal carcinogenesis. <i>Metallomics</i> , 2019 , 11, 2066-2077	4.5	9
17	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	4.2	9
16	Chitosan-based coatings in the prevention of intravascular catheter-associated infections. <i>Journal of Biomaterials Applications</i> , 2018 , 32, 725-737	2.9	9
15	Unexpected formation of [Ru(η -C ₅ H ₅)(PH{CH ₂ N(CH ₂ CH ₂) ₂ O}) ₂ (PPh ₃) ₂]BF ₄ [the first piano-stool ruthenium complex bearing a secondary aminomethylphosphane ligand. <i>RSC Advances</i> , 2015 , 5, 2952-2955	3.7	7
14	Antibacterial composite hybrid coatings of veterinary medical implants. <i>Materials Science and Engineering C</i> , 2020 , 112, 110968	8.3	7
13	Surface Functionalization of Biomaterials 2017 , 457-490		7
12	Physicochemical and Biological Activity Analysis of Low-Density Polyethylene Substrate Modified by Multi-Layer Coatings Based on DLC Structures, Obtained Using RF CVD Method. <i>Coatings</i> , 2018 , 8, 135	2.9	6
11	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	6.8	6
10	Impact of chitosan/noble metals-based coatings on the plasmochemically activated surface of NiTi alloy. <i>Materials Chemistry and Physics</i> , 2020 , 248, 122931	4.4	5
9	Cu(II) Complexes with FomA Protein Fragments of Increase Oxidative Stress and Malondialdehyde Level. <i>Chemical Research in Toxicology</i> , 2019 , 32, 2227-2237	4	4
8	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	4.2	4
7	New trends in the application of laser flash photolysis [case studies. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 2695-2714	1.6	4
6	Effects of the Selected Iminosugar Derivatives on <i>Pseudomonas aeruginosa</i> Biofilm Formation. <i>Microbial Drug Resistance</i> , 2016 , 22, 638-645	2.9	4
5	Synthesis, structural characterization, docking simulation and in vitro antiproliferative activity of the new gold(III) complex with 2-pyridineethanol. <i>Journal of Inorganic Biochemistry</i> , 2021 , 215, 111311	4.2	4

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| 4 | 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. <i>Journal of Molecular Structure</i> , 2016 , 1121, 104-110 | 3-4 | 3 |
| 3 | Dual-purpose surface functionalization of Ti-6Al-7Nb involving oxygen plasma treatment and Si-DLC or chitosan-based coatings. <i>Materials Science and Engineering C</i> , 2021 , 121, 111848 | 8-3 | 3 |
| 2 | Evaluation of anticancer activity in vitro of a stable copper(I) complex with phosphine-peptide conjugate.. <i>Scientific Reports</i> , 2021 , 11, 23943 | 4-9 | 2 |
| 1 | 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 , 212791 | | 0 |