

# Agnieszka Sobczak-Kupiec

## List of Publications by Year in descending order

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43  
papers

859  
citations

567281

15  
h-index

477307

29  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1258  
citing authors

#	ARTICLE	IF	CITATIONS
1	A study on droplets sizes, their distribution and heat exchange for minimum quantity cooling lubrication (MQCL). <i>International Journal of Machine Tools and Manufacture</i> , 2016, 100, 81-92.	13.4	197
2	The influence of calcination parameters on free calcium oxide content in natural hydroxyapatite. <i>Ceramics International</i> , 2012, 38, 641-647.	4.8	71
3	Preparation and cytotoxicity of chitosan-based hydrogels modified with silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 325-330.	5.0	57
4	Plant Mediated Synthesis Of Gold Nanoparticles Using Fruit Extracts Of <i>Ananas Comosus</i> (L.) (Pineapple) And Evaluation Of Biological Activities. <i>Advanced Materials Letters</i> , 2013, 4, 332-337.	0.6	51
5	Magnetic nanomaterials and sensors for biological detection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2459-2473.	3.3	50
6	Targeting Cancer with Nano-Bullets: Curcumin, EGCG, Resveratrol and Quercetin on Flying Carpets. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 3865-3871.	1.2	50
7	Synthesis and characterization of ceramic - polymer composites containing bioactive synthetic hydroxyapatite for biomedical applications. <i>Ceramics International</i> , 2018, 44, 13630-13638.	4.8	41
8	In vitro cytotoxicity of hydrogels based on chitosan and modified with gold nanoparticles. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	29
9	Review of the Applications of Biomedical Compositions Containing Hydroxyapatite and Collagen Modified by Bioactive Components. <i>Materials</i> , 2021, 14, 2096.	2.9	25
10	In vitro biosafety of pro-ecological chitosan-based hydrogels modified with natural substances. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2501-2511.	4.0	19
11	Composites Based on Hydroxyapatite and Whey Protein Isolate for Applications in Bone Regeneration. <i>Materials</i> , 2021, 14, 2317.	2.9	19
12	One-step synthesis of highly-biocompatible spherical gold nanoparticles using <i>Artocarpus heterophyllus</i> Lam. (jackfruit) fruit extract and its effect on pathogens. <i>Annals of Agricultural and Environmental Medicine</i> , 2015, 22, 84-89.	1.0	19
13	Bioreduction of chloroaurate ions using fruit extract <i>Punica granatum</i> (Pomegranate) for synthesis of highly stable gold nanoparticles and assessment of its antibacterial activity. <i>Micro and Nano Letters</i> , 2013, 8, 400-404.	1.3	18
14	Hydroxyapatite Obtained via the Wet Precipitation Method and PVP/PVA Matrix as Components of Polymer-Ceramic Composites for Biomedical Applications. <i>Molecules</i> , 2021, 26, 4268.	3.8	18
15	Effect of calcination parameters on behavior of bone hydroxyapatite in artificial saliva and its biosafety. <i>Materials Chemistry and Physics</i> , 2018, 206, 158-165.	4.0	17
16	Physicochemical and Biological Properties of Hydrogel/Gelatin/Hydroxyapatite PAA/G/HAp/AgNPs Composites Modified with Silver Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 9302-9311.	0.9	15
17	Preparation, Characterization, and Biocompatibility Assessment of Polymer-Ceramic Composites Loaded with <i>Salvia officinalis</i> Extract. <i>Materials</i> , 2021, 14, 6000.	2.9	15
18	Synthesis and Characterization of Polymer-Based Coatings Modified with Bioactive Ceramic and Bovine Serum Albumin. <i>Journal of Functional Biomaterials</i> , 2021, 12, 21.	4.4	14

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19	Studies on sintering process of synthetic hydroxyapatite. <i>Acta Biochimica Polonica</i> , 2013, 60, 851-5.	0.5	14
20	Mechanochemical synthesis and investigations of calcium titanate powders and their acrylic dispersions. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2259-2264.	5.7	13
21	PGS/HAp Microporous Composite Scaffold Obtained in the TIPS-TCL-SL Method: An Innovation for Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8587.	4.1	13
22	Physicochemical characterization of zinc-substituted calcium phosphates. <i>Bulletin of Materials Science</i> , 2016, 39, 525-535.	1.7	12
23	Effect of calcination conditions of pork bone sludge on behaviour of hydroxyapatite in simulated body fluid. <i>Bulletin of Materials Science</i> , 2013, 36, 755-764.	1.7	11
24	Evaluation of resin composites modified with nanogold and nanosilver. <i>Acta of Bioengineering and Biomechanics</i> , 2014, 16, 51-61.	0.4	10
25	Ceramic-polymer coatings on Ti-6Al-4V alloy modified with l-cysteine in biomedical applications. <i>Materials Today Communications</i> , 2020, 25, 101301.	1.9	9
26	Bioactivity tests of calcium phosphates with variant molar ratios of main components. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1941-1950.	4.0	8
27	Investigation on Green Synthesis, Biocompatibility, and Antibacterial Activity of Silver Nanoparticles Prepared Using <i>Cistus incanus</i> . <i>Materials</i> , 2021, 14, 5028.	2.9	8
28	Hydroxyapatite/Silver Nanoparticles Powders as Antimicrobial Agent for Bone Replacements. <i>Croatica Chemica Acta</i> , 2019, 92, 59-68.	0.4	6
29	Mechanochemical Synthesis of BaTiO <sub>3</sub> Powders and Evaluation of Their Acrylic Dispersions. <i>Materials</i> , 2020, 13, 3275.	2.9	4
30	Tribological Properties and Physicochemical Analysis of Polymer-Ceramic Composite Coatings for Bone Regeneration. <i>Lubricants</i> , 2022, 10, 58.	2.9	4
31	Preparation, characterization, and <i>in vitro</i> cytotoxicity of chitosan hydrogels containing silver nanoparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1665-1676.	3.5	3
32	Beetosan <sup>®</sup> -Based Hydrogels Modified with Natural Substances. <i>Journal of Renewable Materials</i> , 2017, 5, 174-179.	2.2	3
33	Synthesis, characterization, and <i>in vitro</i> cytotoxicity of chitosan hydrogels containing nanogold. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 175-182.	3.4	3
34	Sustainable Production of Chitosan. <i>Studies in Systems, Decision and Control</i> , 2020, , 45-60.	1.0	3
35	Multistep Chemical Processing of Crickets Leading to the Extraction of Chitosan Used for Synthesis of Polymer Drug Carriers. <i>Materials</i> , 2021, 14, 5070.	2.9	3
36	Assessment of cytotoxicity and immune compatibility of phytochemicals-mediated biosynthesised silver nanoparticles using <i>Cynara scolymus</i> . <i>IET Nanobiotechnology</i> , 2019, 13, 726-735.	3.8	3

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37	Investigations on the Influence of Collagen Type on Physicochemical Properties of PVP/PVA Composites Enriched with Hydroxyapatite Developed for Biomedical Applications. <i>Materials</i> , 2022, 15, 37.	2.9	2
38	Infusion of Ag <sup>+</sup> from Aqueous Solution into Solid Calcium Phosphate of Hydroxyapatite (<sc>HA</sc>) Crystal Structure. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3129-3135.	3.8	1
39	Studies on Bone-Derived Calcium Phosphate Materials. <i>Journal of Renewable Materials</i> , 2017, 5, 180-188.	2.2	1
40	Hydroxyapatite powders prepared using two different methods as modifying agents of PVP/collagen composites designed for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, , 1-11.	3.4	0
41	Investigations on the poly(hydroxybutyric acid)-based hydrogels containing gold nanoparticles. <i>International Journal of Polymer Analysis and Characterization</i> , 2021, 26, 381-395.	1.9	0
42	Polymer-ceramic biocomposites based on PVP/histidine/hydroxyapatite for hard tissue engineering applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 0, , 1-13.	3.4	0
43	Natural Substances as Substrates in Metallic Nanoparticles Synthesis. <i>Advanced Science Letters</i> , 2016, 22, 642-646.	0.2	0