

Pavel Kopel

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9200289/pavel-kopel-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141
papers

2,341
citations

26
h-index

37
g-index

154
ext. papers

2,739
ext. citations

4.2
avg, IF

5.06
L-index

#	Paper	IF	Citations
141	The Effect of Nanofillers on the Functional Properties of Biopolymer-based Films: A Review. <i>Polymers</i> , 2019 , 11,	4.5	114
140	3D printed chip for electrochemical detection of influenza virus labeled with CdS quantum dots. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 421-7	11.8	95
139	Comparison of the effects of silver phosphate and selenium nanoparticles on Staphylococcus aureus growth reveals potential for selenium particles to prevent infection. <i>FEMS Microbiology Letters</i> , 2014 , 351, 195-201	2.9	58
138	Staphylococcus aureus and MRSA Growth and Biofilm Formation after Treatment with Antibiotics and SeNPs. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 24656-72	6.3	55
137	Site-Directed Conjugation of Antibodies to Apoferritin Nanocarrier for Targeted Drug Delivery to Prostate Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14430-41	9.5	55
136	Modern micro and nanoparticle-based imaging techniques. <i>Sensors</i> , 2012 , 12, 14792-820	3.8	52
135	Complexes of silver(I) ions and silver phosphate nanoparticles with hyaluronic acid and/or chitosan as promising antimicrobial agents for vascular grafts. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13592-614	6.3	49
134	Complexes of iron(III) salen and saloph Schiff bases with bridging dicarboxylic and tricarboxylic acids. <i>Transition Metal Chemistry</i> , 1998 , 23, 139-142	2.1	49
133	Apoferritin modified magnetic particles as doxorubicin carriers for anticancer drug delivery. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13391-402	6.3	48
132	Development and characterisation of furcellaran-gelatin films containing SeNPs and AgNPs that have antimicrobial activity. <i>Food Hydrocolloids</i> , 2018 , 83, 9-16	10.6	47
131	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016 , 151, 233-243	7.9	47
130	3D-printed chip for detection of methicillin-resistant Staphylococcus aureus labeled with gold nanoparticles. <i>Electrophoresis</i> , 2015 , 36, 457-66	3.6	42
129	Electrochemical sensing of etoposide using carbon quantum dot modified glassy carbon electrode. <i>Analyst, The</i> , 2016 , 141, 2665-75	5	42
128	Platinum nanoparticles induce damage to DNA and inhibit DNA replication. <i>PLoS ONE</i> , 2017 , 12, e0180798	3.7	41
127	Paramagnetic nanoparticles as a platform for FRET-based sarcosine picomolar detection. <i>Scientific Reports</i> , 2015 , 5, 8868	4.9	39
126	Induction of Laccase, Lignin Peroxidase and Manganese Peroxidase Activities in White-Rot Fungi Using Copper Complexes. <i>Molecules</i> , 2016 , 21,	4.8	36
125	Development of furcellaran-gelatin films with Se-AgNPs as an active packaging system for extension of mini kiwi shelf life. <i>Food Packaging and Shelf Life</i> , 2019 , 21, 100339	8.2	33

124	Antibody-free detection of infectious bacteria using quantum dots-based barcode assay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 134, 325-332	3.5	33
123	Using CdTe/ZnSe core/shell quantum dots to detect DNA and damage to DNA. <i>International Journal of Nanomedicine</i> , 2017 , 12, 1277-1291	7.3	30
122	Biological Activity and Molecular Structures of Bis(benzimidazole) and Trithiocyanurate Complexes. <i>Molecules</i> , 2015 , 20, 10360-76	4.8	30
121	Current Trends in Detection of Histamine in Food and Beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 773-783	5.7	30
120	Comparative study on toxicity of extracellularly biosynthesized and laboratory synthesized CdTe quantum dots. <i>Journal of Biotechnology</i> , 2017 , 241, 193-200	3.7	29
119	The Composites of Graphene Oxide with Metal or Semimetal Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Materials</i> , 2015 , 8, 2994-3011	3.5	28
118	Coordination compounds of nickel with trithiocyanuric acid. <i>Polyhedron</i> , 1999 , 18, 1779-1784	2.7	28
117	Furcellaran nanocomposite films: The effect of nanofillers on the structural, thermal, mechanical and antimicrobial properties of biopolymer films. <i>Carbohydrate Polymers</i> , 2020 , 240, 116244	10.3	28
116	Fullerene as a transporter for doxorubicin investigated by analytical methods and in vivo imaging. <i>Electrophoresis</i> , 2014 , 35, 1040-9	3.6	27
115	Synthesis of carbon quantum dots for DNA labeling and its electrochemical, fluorescent and electrophoretic characterization. <i>Chemical Papers</i> , 2015 , 69,	1.9	25
114	Interaction of Heavy Metal Ions with Carbon and Iron Based Particles. <i>Materials</i> , 2014 , 7, 2242-2256	3.5	24
113	Paramagnetic particles coupled with an automated flow injection analysis as a tool for influenza viral protein detection. <i>Electrophoresis</i> , 2012 , 33, 3195-204	3.6	24
112	Polysaccharide and Protein Films with Antimicrobial/Antioxidant Activity in the Food Industry: A Review. <i>Polymers</i> , 2020 , 12,	4.5	23
111	Antiviral activity of fullerene C60 nanocrystals modified with derivatives of anionic antimicrobial peptide maximin H5. <i>Monatshefte Für Chemie</i> , 2016 , 147, 905-918	1.4	23
110	Application of CdTe/ZnSe quantum dots in in vitro imaging of chicken tissue and embryo. <i>Photochemistry and Photobiology</i> , 2015 , 91, 417-23	3.6	22
109	Modulation of induced cytotoxicity of doxorubicin by using apoferritin and liposomal cages. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 22960-77	6.3	22
108	Microfluidic chip coupled with modified paramagnetic particles for sarcosine isolation in urine. <i>Electrophoresis</i> , 2013 , 34, 2639-47	3.6	22
107	Syntheses and study on nickel(II) complexes with thiodiglycolic acid and nitrogen-donor ligands. X-ray structures of [Ni(bpy)(tdga)(H ₂ O)] · 4H ₂ O and [(en)Ni(Edga)2Ni(en)] · 4H ₂ O (tdgaH ₂ =thiodiglycolic acid). <i>Polyhedron</i> , 2004 , 23, 1573-1578	2.7	22

106	Syntheses and properties of binuclear copper(II) mixed-ligand complexes involving thiodiglycolic acid.. <i>Polyhedron</i> , 2003 , 22, 411-418	2.7	22
105	Synthesis, X-ray and Mössbauer study of iron(II) complexes with trithiocyanuric acid (ttcH ₃): The X-ray structures of [Fe(bpy) ₃](ttcH) ₂ ·2bpy·7H ₂ O and [Fe(phen) ₃](ttcH ₂)(ClO ₄) ₂ ·2CH ₃ OH·2H ₂ O. <i>Polyhedron</i> , 2004 , 23, 2193-2202	2.7	22
104	Nanocomposite Furcellaran Films-the Influence of Nanofillers on Functional Properties of Furcellaran Films and Effect on Linseed Oil Preservation. <i>Polymers</i> , 2019 , 11,	4.5	22
103	Structural effects and nanoparticle size are essential for quantum dots-metallothionein complex formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 262-72	6	21
102	3D-printed biosensor with poly(dimethylsiloxane) reservoir for magnetic separation and quantum dots-based immunolabeling of metallothionein. <i>Electrophoresis</i> , 2015 , 36, 1256-64	3.6	21
101	Improved Electrochemical Detection of Zinc Ions Using Electrode Modified with Electrochemically Reduced Graphene Oxide. <i>Materials</i> , 2016 , 9,	3.5	21
100	Prostate tumor attenuation in the nu/nu murine model due to anti-sarcosine antibodies in folate-targeted liposomes. <i>Scientific Reports</i> , 2016 , 6, 33379	4.9	20
99	Remote-controlled robotic platform ORPHEUS as a new tool for detection of bacteria in the environment. <i>Electrophoresis</i> , 2014 , 35, 2333-45	3.6	20
98	An electrochemical DNA-based biosensor to study the effects of CdTe quantum dots on UV-induced damage of DNA. <i>Mikrochimica Acta</i> , 2015 , 182, 1715-1722	5.8	20
97	Syntheses and study on nickel and copper complexes with 1,3,5-benzenetricarboxylic acid. Crystal and molecular structure of [Cu ₃ (mdpta) ₃ (btc)](ClO ₄) ₃ ·4H ₂ O. <i>Polyhedron</i> , 2007 , 26, 535-542	2.7	20
96	Assessment of CdS quantum dots effect on UV damage to DNA using a DNA/quantum dots structured electrochemical biosensor and DNA biosensing in solution. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 435-444	8.5	17
95	Zinc phosphate-based nanoparticles as a novel antibacterial agent: study on rats after dietary exposure. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 17	6	17
94	Intelligent and active composite films based on furcellaran: Structural characterization, antioxidant and antimicrobial activities. <i>Food Packaging and Shelf Life</i> , 2019 , 22, 100405	8.2	16
93	Biosynthesis of Quantum Dots (CdTe) and its Effect on Eisenia fetida and Escherichia coli. <i>Chromatographia</i> , 2014 , 77, 1441-1449	2.1	16
92	Advanced nanotechnologies in avian influenza: Current status and future trends - A review. <i>Analytica Chimica Acta</i> , 2017 , 983, 42-53	6.6	16
91	Gold nanoparticles-modified nanomagnetite and quantum dots-based hybridization assay for detection of HPV. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 503-510	8.5	16
90	Ferromagnetic Properties of a Trinuclear Nickel(II) Complex with a Trithiocyanurate Bridge. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 5475-5482	2.3	16
89	Size-related cytotoxicological aspects of polyvinylpyrrolidone-capped platinum nanoparticles. <i>Food and Chemical Toxicology</i> , 2017 , 105, 337-346	4.7	16

88	Novel vancomycin-peptide conjugate as potent antibacterial agent against vancomycin-resistant. <i>Infection and Drug Resistance</i> , 2018 , 11, 1807-1817	4.2	16
87	Structure and magnetic properties of a trinuclear nickel(II) complex with benzenetricarboxylate bridge. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3723-3729	2.7	15
86	Oxalato complexes of copper(II) with chelating diamines. Crystal structure of [Cu(dmen)ox(H ₂ O)] ₂ [Cu(dmen) ₂](ClO ₄) ₂ . <i>Polyhedron</i> , 2002 , 21, 1203-1209	2.7	15
85	The Zinc-Schiff Base-Novocidin Complex as a Potential Prostate Cancer Therapy. <i>PLoS ONE</i> , 2016 , 11, e0163983	3.7	15
84	The Isolation of DNA by Polycharged Magnetic Particles: An Analysis of the Interaction by Zeta Potential and Particle Size. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	15
83	A 3D microfluidic chip for electrochemical detection of hydrolysed nucleic bases by a modified glassy carbon electrode. <i>Sensors</i> , 2015 , 15, 2438-52	3.8	14
82	Development of a magnetic electrochemical bar code array for point mutation detection in the H5N1 neuraminidase gene. <i>Viruses</i> , 2013 , 5, 1719-39	6.2	14
81	Beads-based electrochemical assay for the detection of influenza hemagglutinin labeled with CdTe quantum dots. <i>Molecules</i> , 2013 , 18, 15573-86	4.8	14
80	Synergistic Effect of Chitosan and Selenium Nanoparticles on Biodegradation and Antibacterial Properties of Collagenous Scaffolds Designed for Infected Burn Wounds. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
79	Folic acid-mediated re-shuttling of ferritin receptor specificity towards a selective delivery of highly cytotoxic nickel(II) coordination compounds. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 1099-1111	7.9	14
78	Antimicrobial Agent Based on Selenium Nanoparticles and Carboxymethyl Cellulose for the Treatment of Bacterial Infections. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 767-777	4	13
77	Study of metallothionein-quantum dots interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 117, 534-7	6	13
76	COORDINATION COMPOUNDS OF NICKEL WITH TRITHIOCYANURIC ACID. <i>Journal of Coordination Chemistry</i> , 1998 , 44, 205-215	1.6	13
75	Synthesis, characterization and screening of biological activity of Zn(II), Fe(II) and Mn(II) complexes with trithiocyanuric acid. <i>Polyhedron</i> , 2007 , 26, 1583-1589	2.7	13
74	Coordination compounds of nickel with trithiocyanuric acid. Part IV. Structure of [Ni(pmdien)(ttcH)] (pmdien = N,N,N',N',N''-pentamethyldiethylenetriamine, ttcH ₃ = trithiocyanuric acid). <i>Transition Metal Chemistry</i> , 2001 , 26, 282-286	2.1	13
73	Real-Time Visualization of Cell Membrane Damage Using Gadolinium-Schiff Base Complex-Doped Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35859-35868	9.5	13
72	Zinc phosphate-based nanoparticles as alternatives to zinc oxide in diet of weaned piglets. <i>Journal of Animal Science and Biotechnology</i> , 2020 , 11, 59	6	12
71	DNA interaction with zinc(II) ions. <i>International Journal of Biological Macromolecules</i> , 2014 , 64, 281-7	7.9	12

70	Identification of quantum dots labeled metallothionein by fast scanning laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014 , 101, 220-225	3.1	12
69	Behaviour of zinc complexes and zinc sulphide nanoparticles revealed by using screen printed electrodes and spectrometry. <i>Sensors</i> , 2013 , 13, 14417-37	3.8	12
68	Encapsulation of Doxorubicin in Furcellaran/Chitosan Nanocapsules by Layer-by-Layer Technique for Selectively Controlled Drug Delivery. <i>Biomacromolecules</i> , 2020 , 21, 418-434	6.9	12
67	Antioxidant, gene expression and metabolomics fingerprint analysis of Arabidopsis thaliana treated by foliar spraying of ZnSe quantum dots and their growth inhibition of Agrobacterium tumefaciens. <i>Journal of Hazardous Materials</i> , 2019 , 365, 932-941	12.8	11
66	A Novel Ruthenium Based Coordination Compound Against Pathogenic Bacteria. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
65	Synthesis and Characterization of Cu(II), Co(II) and Ni(II) Complexes of Trithiocyanuric Acid: The Structure of {N,N'-Bis(3-Aminopropyl)-1,3-Propanediamine}-(Trithiocyanurato)Nickel(II). <i>Journal of Coordination Chemistry</i> , 2003 , 56, 1-11	1.6	10
64	Fluorescence Characterization of Gold Modified Liposomes with Antisense N-myc DNA Bound to the Magnetisable Particles with Encapsulated Anticancer Drugs (Doxorubicin, Ellipticine and Etoposide). <i>Sensors</i> , 2016 , 16, 290	3.8	10
63	Alternative Synthesis Route of Biocompatible Polyvinylpyrrolidone Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Molecular Pharmaceutics</i> , 2017 , 14, 221-233	5.6	9
62	Fully automated process for histamine detection based on magnetic separation and fluorescence detection. <i>Talanta</i> , 2020 , 212, 120789	6.2	9
61	Detection of ROS Generated by UV-C Irradiation of CdS Quantum Dots and their Effect on Damage to Chromosomal and Plasmid DNA. <i>Electroanalysis</i> , 2018 , 30, 698-704	3	9
60	Particle-based immunochemical separation of methicillin resistant Staphylococcus aureus with indirect electrochemical detection of labeling oligonucleotides. <i>Analytical Methods</i> , 2016 , 8, 5123-5128	3.2	9
59	Construction of an Acetylcholinesterase Sensor Based on Synthesized Paramagnetic Nanoparticles, a Simple Tool for Neurotoxic Compounds Assay. <i>Sensors</i> , 2017 , 17,	3.8	9
58	SDS-PAGE as a Tool for Hydrodynamic Diameter-Dependent Separation of Quantum Dots. <i>Chromatographia</i> , 2015 , 78, 785-793	2.1	9
57	Electrochemical Methods for Study of Influence of Selenium Nanoparticles on Antioxidant Status of Rats. <i>International Journal of Electrochemical Science</i> , 2016 , 2799-2824	2.2	9
56	Fluorescence resonance energy transfer between green fluorescent protein and doxorubicin enabled by DNA nanotechnology. <i>Electrophoresis</i> , 2014 , 35, 3290-301	3.6	8
55	Spectrometric and Chromatographic Study of Reactive Oxidants Hypochlorous and Hypobromous Acids and Their Interactions with Taurine. <i>Chromatographia</i> , 2013 , 76, 363-373	2.1	8
54	Isolation of Biogenic Amines Using Paramagnetic Microparticles Off-Line Coupled with Ion Exchange Liquid Chromatography. <i>Chromatographia</i> , 2014 , 77, 1451-1459	2.1	8
53	Diaquabis(1,10-phenanthroline-kappa(2)N,N')manganese(II) thiodiglycolate bis(1,10-phenanthroline-kappa(2)N,N')(thiodiglycolato-kappa(2)O,O')manganese(II) tridecahydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m429-31		8

52	Coordination compounds of nickel with trithiocyanuric acid. Part II. Crystal and molecular structure of [Ni(taa)(ttcH)] (taa=tris-(2-aminoethyl)amine, ttcH ₃ =trithiocyanuric acid). <i>Transition Metal Chemistry</i> , 1999 , 24, 239-243	2.1	8
51	Antioxidant status of rats blood and liver affected by sodium selenite and selenium nanoparticles. <i>PeerJ</i> , 2018 , 6, e4862	3.1	8
50	Exceptional release kinetics and cytotoxic selectivity of oxidised MWCNTs double-functionalised with doxorubicin and prostate-homing peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 156, 123-132 ⁶		8
49	Real-time monitoring of the UV-induced formation of quantum dots on a milliliter, microliter, and nanoliter scale. <i>Mikrochimica Acta</i> , 2017 , 184, 1489-1497	5.8	7
48	Fe ₂ O ₃ Nanoparticles Covered with Glutathione-Modified Quantum Dots as a Fluorescent Nanotransporter. <i>Chromatographia</i> , 2014 , 77, 1415-1423	2.1	7
47	Complexes of Metal-Based Nanoparticles with Chitosan Suppressing the Risk of Staphylococcus aureus and Escherichia coli Infections 2015 , 217-232		7
46	17β-Estradiol-containing liposomes as a novel delivery system for the antisense therapy of ER-positive breast cancer: An in vitro study on the MCF-7 cell line. <i>Oncology Reports</i> , 2015 , 33, 921-9	3.5	7
45	Trithiocyanurate complexes of iron, manganese and nickel and their anticholinesterase activity. <i>Molecules</i> , 2014 , 19, 4338-54	4.8	7
44	Quantum dots and prion proteins: is this a new challenge for neurodegenerative diseases imaging?. <i>Prion</i> , 2013 , 7, 349-58	2.3	7
43	Tetrathiomolybdates of nickel. <i>Transition Metal Chemistry</i> , 1995 , 20, 56	2.1	7
42	From solid state to anticancer activity of copper(II) compounds with electronically-modulated NNO Schiff base ligands. <i>Dalton Transactions</i> , 2020 , 49, 14626-14639	4.3	7
41	Electrochemical study of DNA damaged by oxidation stress. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 130-41	1.3	7
40	Synthesis, crystal structure and magnetic properties of trithiocyanurate or thiodiacetate polynuclear Ni(II) and Co(II) complexes. <i>Inorganica Chimica Acta</i> , 2014 , 416, 147-156	2.7	6
39	[N,NRBis(3-aminopropyl)ethylenediamine-kappa4N,NR̄N",N"R̄(trithiocyanurato-kappa2N,S)zinc(II) ethanol solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m558-60		6
38	3D printed stratospheric probe as a platform for determination of DNA damage based on carbon quantum dots/DNA complex fluorescence increase. <i>Monatshefte für Chemie</i> , 2016 , 147, 873-880	1.4	5
37	Paramagnetic Particles Isolation of Influenza Oligonucleotide Labelled with CdS QDs. <i>Chromatographia</i> , 2013 , 76, 355-362	2.1	5
36	Kinetic analysis of human metallothionein and CdTe quantum dot complexes using fluorescence and voltammetry techniques. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 381-389	6	5
35	Use of nucleic acids anchor system to reveal apoferritin modification by cadmium telluride nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2109-2118	7.3	5

34	Nickel complexes with sulphur and nitrogen donor ligands, crystal and molecular structure of [(PPh ₃) ₂ Cu(DTA)Ni(DTA)Cu(PPh ₃) ₂] (H ₂ DTA = Dithiooxamide). <i>Polyhedron</i> , 1995 , 14, 991-996	2.7	5
33	Antimicrobial nanomaterials in the food industry.. <i>Kvasný Průmysl</i> , 2015 , 61, 51-56	1.3	5
32	Effect of Gold Nanoparticles and Ions Exposure on the Aquatic Organisms. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020 , 105, 530-537	2.7	5
31	Fully automated two-step assay for detection of metallothionein through magnetic isolation using functionalized Fe ₃ O ₄ particles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1039, 17-27	3.2	5
30	pH-Responsive Hybrid Organic/Inorganic Ruthenium Nanoparticles for Controlled Release of Doxorubicin. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700289	3.1	4
29	Bioconjugation of peptides using advanced nanomaterials to examine their interactions in 3D printed flow-through device. <i>Electrophoresis</i> , 2016 , 37, 444-54	3.6	4
28	Liposomal nanotransporter for targeted binding based on nucleic acid anchor system. <i>Electrophoresis</i> , 2014 , 35, 393-404	3.6	4
27	Fluorescence-tagged metallothionein with CdTe quantum dots analyzed by the chip-CE technique. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 423	2.3	4
26	Interaction of E6 Gene from Human Papilloma Virus 16 (HPV-16) with CdS Quantum Dots. <i>Chromatographia</i> , 2014 , 77, 1433-1439	2.1	4
25	Synthesis, X-ray and Mössbauer study of iron(II) complexes with trithiocyanuric acid (ttcH ₃).. <i>Polyhedron</i> , 2004 , 23, 2193-2202	2.7	4
24	Tris(1,10-phenanthroline)sodium 2,4,6-trimercapto-1,3,5-triazin-1-ide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, M399-401		4
23	Effects of Silver Nanoparticles and Ions Exposure on the Soil Invertebrates <i>Folsomia candida</i> and <i>Enchytraeus crypticus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020 , 105, 244-249	2.7	3
22	Structural and biological characterization of anticancer nickel(II) bis(benzimidazole) complex. <i>Journal of Inorganic Biochemistry</i> , 2021 , 217, 111395	4.2	3
21	Mutual influence of selenium nanoparticles and FGF2-STAB on biocompatible properties of collagen/chitosan 3D scaffolds: in vitro and ex ovo evaluation. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 103	9.4	3
20	Nanoparticles Suitable for BCAA Isolation Can Serve for Use in Magnetic Lipoplex-Based Delivery System for L, I, V, or R-rich Antimicrobial Peptides. <i>Materials</i> , 2016 , 9,	3.5	3
19	A two-step protocol for isolation of influenza A (H7N7) virions and their RNA for PCR diagnostics based on modified paramagnetic particles. <i>Electrophoresis</i> , 2016 , 37, 2025-35	3.6	3
18	Synthesis and structural characterization of antimicrobial binuclear copper(II) coordination compounds bridged by hydroxy- and/or thiodipropionic acid. <i>Journal of Inorganic Biochemistry</i> , 2019 , 191, 8-20	4.2	3
17	The Anti-Proliferative Activity of Coordination Compound-Based ZnO Nanoparticles as a Promising Agent Against Triple Negative Breast Cancer Cells. <i>International Journal of Nanomedicine</i> , 2021 , 16, 4431-4449	7.3	3

16	A Novel Biocompatible Titanium-Gadolinium Quantum Dot as a Bacterial Detecting Agent with High Antibacterial Activity. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
15	Europium and terbium Schiff base peptide complexes as potential antimicrobial agents against <i>Salmonella typhimurium</i> and <i>Pseudomonas aeruginosa</i> . <i>Chemical Papers</i> , 2018 , 72, 1437-1449	1.9	2
14	Application of Furcellaran Nanocomposite Film as Packaging of Cheese. <i>Polymers</i> , 2021 , 13,	4.5	2
13	Functional Analysis of Novicidin Peptide: Coordinated Delivery System for Zinc via Schiff Base Ligand. <i>Bioconjugate Chemistry</i> , 2018 , 29, 2954-2969	6.3	2
12	Evaluation of platinum nanoparticles ecotoxicity using representatives of distinct trophic levels of aquatic biocenosis. <i>Neuroendocrinology Letters</i> , 2019 , 39, 465-472	0.3	2
11	Electrochemical Characterization of the Interaction of Multiwalled Carbon Nanotubes with Doxorubicin. <i>Analytical Letters</i> , 2017 , 50, 2335-2341	2.2	1
10	Lead ions encapsulated in liposomes and their effect on <i>Staphylococcus aureus</i> . <i>International Journal of Environmental Research and Public Health</i> , 2013 , 10, 6687-700	4.6	1
9	Active Double-Layered Films Enriched with AgNPs in Great Water Dock Root and Pu-Erh Extracts. <i>Materials</i> , 2021 , 14,	3.5	1
8	Microchip capillary electrophoresis: quantum dots and paramagnetic particles for bacteria immunoseparation: rapid superparamagnetic-beads-based automated immunoseparation of Zn-Proteins from <i>Staphylococcus aureus</i> with nanogram yield. <i>Methods in Molecular Biology</i> , 2015 , 1274, 67-79	1.4	1
7	Preliminary analysis of the interactions between CdTe quantum dots and human metallothionein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 447-453	6	1
6	Nanoparticles-Based Carriers for Gene Therapy and Drug Delivery 471-492		1
5	Normal vibrations and vibrational spectra of trithiocyanuric acid in its natural, deuterated, anionic and metal coordinated forms. <i>Polyhedron</i> , 2022 , 115819	2.7	1
4	The effects of dietary exposure to Magn η phase titanium suboxide and titanium dioxide on rainbow trout (<i>Oncorhynchus mykiss</i>).. <i>Chemosphere</i> , 2022 , 133689	8.4	0
3	Carbon Nanomaterials for Chromium (VI) Removal from Aqueous Solution 2016 , 109-126		
2	ELISA-like Analysis of Cisplatinated DNA Using Magnetic Separation. <i>Nanobiomedicine</i> , 2015 , 2, 10	4.8	
1	Electrochemical Study of DNA Damaged by Oxidation Stress. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 130-141	1.3	