

# Edit CsapÃ³

## List of Publications by Year in descending order

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74  
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1,524  
citations

279798

23  
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74  
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74  
docs citations

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times ranked

2299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalization of gold nanoparticles with amino acid, $\beta$ -amyloid peptides and fragment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 235-241.	5.0	116
2	Effect of pH on stability and plasmonic properties of cysteine-functionalized silver nanoparticle dispersion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 98, 43-49.	5.0	86
3	Composition-Dependent Electrocatalytic Behavior of Au-Sn Bimetallic Nanoparticles in Carbon Dioxide Reduction. <i>ACS Energy Letters</i> , 2019, 4, 48-53.	17.4	65
4	Gold nanoparticles formation in the aqueous system of gold(III) chloride complex ions and hydrazine sulfate—Kinetic studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 397, 63-72.	4.7	58
5	Adhesion and inactivation of Gram-negative and Gram-positive bacteria on photoreactive TiO <sub>2</sub> /polymer and Ag-TiO <sub>2</sub> /polymer nanohybrid films. <i>Applied Surface Science</i> , 2016, 371, 139-150.	6.1	52
6	Synthesis and characterization of Ag/Au alloy and core(Ag)-shell(Au) nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 281-287.	4.7	49
7	Unsymmetrical dizinc complexes as models for the active sites of phosphohydrolases. <i>Dalton Transactions</i> , 2010, 39, 8183.	3.3	48
8	Reduction of Tetrachloroaurate(III) Ions With Bioligands: Role of the Thiol and Amine Functional Groups on the Structure and Optical Features of Gold Nanohybrid Systems. <i>Nanomaterials</i> , 2019, 9, 1229.	4.1	45
9	Targeting of the kynurenic acid across the blood-brain barrier by core-shell nanoparticles. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 86, 67-74.	4.0	44
10	Red-emitting gold nanoclusters for rapid fluorescence sensing of tryptophan metabolites. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 728-733.	7.8	37
11	Au/Pb Interface Allows the Methane Formation Pathway in Carbon Dioxide Electroreduction. <i>ACS Catalysis</i> , 2020, 10, 5681-5690.	11.2	37
12	Vitamin E-Loaded PLA- and PLGA-Based Core-Shell Nanoparticles: Synthesis, Structure Optimization and Controlled Drug Release. <i>Pharmaceutics</i> , 2019, 11, 357.	4.5	31
13	Layered double oxide (LDO) particle containing photoreactive hybrid layers with tunable superhydrophobic and photocatalytic properties. <i>Applied Surface Science</i> , 2016, 389, 294-302.	6.1	30
14	Hydroxyapatite-enhanced structural, photocatalytic and antibacterial properties of photoreactive TiO <sub>2</sub> /HAp/polyacrylate hybrid thin films. <i>Surface and Coatings Technology</i> , 2017, 326, 316-326.	4.8	30
15	Chitosan-modified hyaluronic acid-based nanosized drug carriers. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 218-225.	7.5	29
16	Determination of the structure and composition of Au-Ag bimetallic spherical nanoparticles using single particle ICP-MS measurements performed with normal and high temporal resolution. <i>Talanta</i> , 2018, 179, 193-199.	5.5	28
17	The effect of synthesis conditions and tunable hydrophilicity on the drug encapsulation capability of PLA and PLGA nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 212-218.	5.0	28
18	Correlation between the work function of Au-Ag nanoalloys and their electrocatalytic activity in carbon dioxide reduction. <i>Electrochimica Acta</i> , 2019, 313, 171-178.	5.2	27

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19	Serum protein-hyaluronic acid complex nanocarriers: Structural characterisation and encapsulation possibilities. <i>Carbohydrate Polymers</i> , 2021, 251, 117047.	10.2	27
20	Interaction of biofunctionalized gold nanoparticles with model phospholipid membranes. <i>Colloid and Polymer Science</i> , 2014, 292, 2715-2725.	2.1	25
21	Nucleotide-directed syntheses of gold nanohybrid systems with structure-dependent optical features: Selective fluorescence sensing of Fe <sup>3+</sup> ions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 135-141.	5.0	24
22	Dimensional characterization of gold nanorods by combining millisecond and microsecond temporal resolution single particle ICP-MS measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2455-2462.	3.0	24
23	Cross-linked and hydrophobized hyaluronic acid-based controlled drug release systems. <i>Carbohydrate Polymers</i> , 2018, 195, 99-106.	10.2	24
24	Ion Specific Effects on the Stability of Halloysite Nanotube Colloids – Inorganic Salts versus Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9757-9765.	2.6	24
25	Preparation of novel tissue acidosis-responsive chitosan drug nanoparticles: Characterization and in vitro release properties of Ca <sup>2+</sup> channel blocker nimodipine drug molecules. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 79-88.	4.0	23
26	Synthesis and characterization of Cu <sup>2+</sup> , Ni <sup>2+</sup> and Zn <sup>2+</sup> binding capability of some amino- and imidazole hydroxamic acids: Effects of substitution of side chain amino-N for imidazole-N or hydroxamic-N-H for -N-CH <sub>3</sub> on metal complexation. <i>Polyhedron</i> , 2007, 26, 543-554.	2.2	21
27	Adsorption of Ibuprofen and Dopamine on Functionalized Gold Using Surface Plasmon Resonance Spectroscopy at Solid-Liquid Interface. <i>Croatica Chemica Acta</i> , 2013, 86, 287-295.	0.4	21
28	Spreadsheet-based nonlinear analysis of in vitro release properties of a model drug from colloidal carriers. <i>Journal of Molecular Liquids</i> , 2021, 328, 115405.	4.9	21
29	New Pyrazole-Based Ligands with Two Tripodal Binding Pockets: Potential Scaffolds for Metallobiosite Modeling. <i>Inorganic Chemistry</i> , 2008, 47, 5278-5292.	4.0	20
30	Influence of pH and aurate/amino acid ratios on the tuneable optical features of gold nanoparticles and nanoclusters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 601-608.	4.7	20
31	Yellow-emitting Au/Ag bimetallic nanoclusters with high photostability for detection of folic acid. <i>Journal of Molecular Liquids</i> , 2021, 338, 116695.	4.9	19
32	Surface and Structural Properties of Gold Nanoparticles and Their Biofunctionalized Derivatives in Aqueous Electrolytes Solution. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 815-825.	2.4	18
33	Porosity determination of nano- and sub-micron particles by single particle inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1139-1147.	3.0	18
34	Kinetic and Thermodynamic Evaluation of Kynurenic Acid Binding to GluR1 <sub>270-300</sub> Polypeptide by Surface Plasmon Resonance Experiments. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7844-7850.	2.6	17
35	Thermodynamic and kinetic characterization of pH-dependent interactions between bovine serum albumin and ibuprofen in 2D and 3D systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 471-478.	4.7	16
36	Cytotoxicity studies of protein-stabilized fluorescent gold nanoclusters on human lymphocytes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111593.	5.0	15

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37	Gold nanohybrid systems with tunable fluorescent feature: Interaction of cysteine and cysteine-containing peptides with gold in two- and three-dimensional systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 264-271.	4.7	14
38	Evaluation of pH- responsive poly(styrene-co-maleic acid) copolymer nanoparticles for the encapsulation and pH- dependent release of ketoprofen and tocopherol model drugs. <i>European Polymer Journal</i> , 2019, 114, 361-368.	5.4	14
39	Thermodynamic and kinetic insights into the interaction of kynurenic acid with human serum albumin: Spectroscopic and calorimetric approaches. <i>Journal of Molecular Liquids</i> , 2020, 313, 112869.	4.9	14
40	A short solid-state synthesis leading to titanate compounds with porous structure and nanosheet morphology. <i>Microporous and Mesoporous Materials</i> , 2012, 147, 53-58.	4.4	13
41	Anti-ulcerant kynurenic acid molecules intercalated Mg/Al-layered double hydroxide and its release study. <i>Applied Clay Science</i> , 2018, 156, 28-35.	5.2	13
42	Micro Droplet Formation towards Continuous Nanoparticles Synthesis. <i>Micromachines</i> , 2018, 9, 248.	2.9	13
43	Syntheses and characterization of Cu <sup>2+</sup> , Ni <sup>2+</sup> and Zn <sup>2+</sup> binding capability of histidinehydroxamic acid derivatives. <i>Polyhedron</i> , 2010, 29, 3137-3145.	2.2	12
44	Controlled syntheses and structural characterization of plasmonic and red-emitting gold/lysozyme nanohybrid dispersions. <i>Colloid and Polymer Science</i> , 2016, 294, 49-58.	2.1	12
45	General method for kinetic and thermodynamic evaluation of a receptor model peptide-drug molecule interaction studied by surface plasmon resonance. <i>Microchemical Journal</i> , 2019, 147, 311-318.	4.5	12
46	Metal-binding ability of histidine-containing peptidehydroxamic acids: Imidazole versus hydroxamate coordination. <i>Inorganica Chimica Acta</i> , 2009, 362, 753-762.	2.4	11
47	Optimization of the Field Enhancement and Spectral Bandwidth of Single and Coupled Bimetal Core-Shell Nanoparticles for Few-Cycle Laser Applications. <i>Plasmonics</i> , 2012, 7, 99-106.	3.4	11
48	Novel feasibilities for preparation of serum albumin-based core-shell nanoparticles in flow conditions. <i>Journal of Flow Chemistry</i> , 2020, 10, 497-505.	1.9	11
49	Determination of binding capacity and adsorption enthalpy between Human Glutamate Receptor (GluR1) peptide fragments and kynurenic acid by surface plasmon resonance experiments. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 924-929.	5.0	10
50	Collective Plasmonic Resonances on Arrays of Cysteine-Functionalized Silver Nanoparticle Aggregates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17940-17955.	3.1	10
51	Thermodynamic Characterization of Temperature- and Composition-Dependent Mixed Micelle Formation in Aqueous Medium. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1291-1299.	2.1	10
52	Comparative Study of Plasmonic Properties of Cysteine-Functionalized Gold and Silver Nanoparticle Aggregates. <i>Plasmonics</i> , 2013, 8, 53-62.	3.4	9
53	Fine structure of gold nanoparticles stabilized by buthlyldithiol: Species identified by Mössbauer spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 260-266.	4.7	9
54	Microstructuration of poly(3-hexylthiophene) leads to bifunctional superhydrophobic and photoreactive surfaces. <i>Chemical Communications</i> , 2018, 54, 650-653.	4.1	9

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55	The influence of dielectric permittivity of water on the shape of PtNPs synthesized in high-pressure high-temperature microwave reactor. <i>Scientific Reports</i> , 2021, 11, 4851.	3.3	9
56	Determination of binding capacity and adsorption enthalpy between Human Glutamate Receptor (GluR1) peptide fragments and kynurenic acid by surface plasmon resonance experiments. Part 2: Interaction of GluR1270 <sup>Δ</sup> 300 with KYNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 66-72.	5.0	7
57	The surface-dependent biological effect of protein-gold nanoclusters on human immune system mimetic cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 620, 126569.	4.7	7
58	The pH-Dependent Controlled Release of Encapsulated Vitamin B1 from Liposomal Nanocarrier. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9851.	4.1	7
59	High Molecular Weight Poly(ethylenimine)-Based Water-Soluble Lipopolymer for Transfection of Cancer Cells. <i>Macromolecular Bioscience</i> , 2020, 20, e2000040.	4.1	7
60	Albumin-hyaluronic acid colloidal nanocarriers: Effect of human and bovine serum albumin for intestinal ibuprofen release enhancement. <i>Journal of Molecular Liquids</i> , 2022, 351, 118614.	4.9	7
61	Reflectometric measurement of n-hexane adsorption on ZnO <sub>2</sub> nanohybrid film modified by hydrophobic gold nanoparticles. <i>Applied Surface Science</i> , 2015, 333, 48-53.	6.1	6
62	Fluorescent Labeling of Hyaluronic Acid-Chitosan Nanocarriers by Protein-Stabilized Gold Nanoclusters. <i>Crystals</i> , 2020, 10, 1113.	2.2	6
63	Modelling and Characterization of the Sorption of Kynurenic Acid on Protein Surfaces. <i>Periodica Polytechnica: Chemical Engineering</i> , 2017, 61, 3.	1.1	5
64	Mapping Fluorescence Enhancement of Plasmonic Nanorod Coupled Dye Molecules. <i>Nanomaterials</i> , 2020, 10, 1048.	4.1	5
65	On the Rate of Interaction of Sodium Borohydride with Platinum (IV) Chloride Complexes in Alkaline Media. <i>Materials</i> , 2021, 14, 3137.	2.9	5
66	Detailed Calorimetric Analysis of Mixed Micelle Formation from Aqueous Binary Surfactants for Design of Nanoscale Drug Carriers. <i>Nanomaterials</i> , 2021, 11, 3288.	4.1	5
67	Evaluation of noble metal nanostructure-serum albumin interactions in 2D and 3D systems: Thermodynamics and possible mechanisms. <i>Advances in Colloid and Interface Science</i> , 2022, 301, 102616.	14.7	5
68	Synthesis and characterization of novel blue-emitting nicotinamide-gold nanoclusters with $\alpha$ -chain-breaker-antioxidant property. <i>Journal of Molecular Liquids</i> , 2022, 359, 119372.	4.9	5
69	Detection of biomolecules and bioconjugates by monitoring rotated grating-coupled surface plasmon resonance. <i>Optical Materials Express</i> , 2017, 7, 3181.	3.0	4
70	Optimization of layering technique and secondary structure analysis during the formulation of nanoparticles containing lysozyme by quality by design approach. <i>PLoS ONE</i> , 2021, 16, e0260603.	2.5	4
71	Numerical investigation of the plasmonic properties of bare and cysteine-functionalized silver nanoparticles. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
72	The Mechanism of Adsorption of Rh(III) Bromide Complex Ions on Activated Carbon. <i>Molecules</i> , 2021, 26, 3862.	3.8	2

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73	Zero waste, single step methods of fabrication of reduced graphene oxide decorated with gold nanoparticles. Sustainable Materials and Technologies, 2022, 31, e00387.	3.3	1
74	Tropaeolin OO as a Chemical Sensor for a Trace Amount of Pd(II) Ions Determination. Molecules, 2022, 27, 4511.	3.8	1