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List of Publications by Year
in descending order

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74 papers	1,524 citations	279798 23 h-index	361022 35 g-index
74 all docs	74 docs citations	74 times ranked	2299 citing authors

#	Article	IF	Citations
1	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
2	Albumin-hyaluronic acid colloidal nanocarriers: Effect of human and bovine serum albumin for intestinal ibuprofen release enhancement. Journal of Molecular Liquids, 2022, 351, 118614.	4.9	7
3	Evaluation of noble metal nanostructure-serum albumin interactions in 2D and 3D systems: Thermodynamics and possible mechanisms. Advances in Colloid and Interface Science, 2022, 301, 102616.	14.7	5
4	Synthesis and characterization of novel blue-emitting nicotinamide-gold nanoclusters with â€œchain-breakerâ€•antioxidant property. Journal of Molecular Liquids, 2022, 359, 119372.	4.9	5
5	Tropaeolin OO as a Chemical Sensor for a Trace Amount of Pd(II) Ions Determination. Molecules, 2022, 27, 4511.	3.8	1
6	Serum protein-hyaluronic acid complex nanocarriers: Structural characterisation and encapsulation possibilities. Carbohydrate Polymers, 2021, 251, 117047.	10.2	27
7	The influence of dielectric permittivity of water on the shape of PtNPs synthesized in high-pressure high-temperature microwave reactor. Scientific Reports, 2021, 11, 4851.	3.3	9
8	Spreadsheet-based nonlinear analysis of in vitro release properties of a model drug from colloidal carriers. Journal of Molecular Liquids, 2021, 328, 115405.	4.9	21
9	Cytotoxicity studies of protein-stabilized fluorescent gold nanoclusters on human lymphocytes. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111593.	5.0	15
10	On the Rate of Interaction of Sodium Borohydride with Platinum (IV) Chloride Complexes in Alkaline Media. Materials, 2021, 14, 3137.	2.9	5
11	The Mechanism of Adsorption of Rh(III) Bromide Complex Ions on Activated Carbon. Molecules, 2021, 26, 3862.	3.8	2
12	The surface-dependent biological effect of protein-gold nanoclusters on human immune system mimetic cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 620, 126569.	4.7	7
13	The pH-Dependent Controlled Release of Encapsulated Vitamin B1 from Liposomal Nanocarrier. International Journal of Molecular Sciences, 2021, 22, 9851.	4.1	7
14	Yellow-emitting Au/Ag bimetallic nanoclusters with high photostability for detection of folic acid. Journal of Molecular Liquids, 2021, 338, 116695.	4.9	19
15	Detailed Calorimetric Analysis of Mixed Micelle Formation from Aqueous Binary Surfactants for Design of Nanoscale Drug Carriers. Nanomaterials, 2021, 11, 3288.	4.1	5
16	Optimization of layering technique and secondary structure analysis during the formulation of nanoparticles containing lysozyme by quality by design approach. PLoS ONE, 2021, 16, e0260603.	2.5	4
17	Ion Specific Effects on the Stability of Halloysite Nanotube Colloidsâ€”Inorganic Salts versus Ionic Liquids. Journal of Physical Chemistry B, 2020, 124, 9757-9765.	2.6	24
18	Fluorescent Labeling of Hyaluronic Acid-Chitosan Nanocarriers by Protein-Stabilized Gold Nanoclusters. Crystals, 2020, 10, 1113.	2.2	6

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19	Thermodynamic and kinetic insights into the interaction of kynurenic acid with human serum albumin: Spectroscopic and calorimetric approaches. Journal of Molecular Liquids, 2020, 313, 112869.	4.9	14
20	Mapping Fluorescence Enhancement of Plasmonic Nanorod Coupled Dye Molecules. Nanomaterials, 2020, 10, 1048.	4.1	5
21	Porosity determination of nano- and sub-micron particles by single particle inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 1139-1147.	3.0	18
22	Chitosan-modified hyaluronic acid-based nanosized drug carriers. International Journal of Biological Macromolecules, 2020, 148, 218-225.	7.5	29
23	Novel feasibilities for preparation of serum albumin-based core-shell nanoparticles in flow conditions. Journal of Flow Chemistry, 2020, 10, 497-505.	1.9	11
24	Au/Pb Interface Allows the Methane Formation Pathway in Carbon Dioxide Electroreduction. ACS Catalysis, 2020, 10, 5681-5690.	11.2	37
25	High Molecular Weight Poly(ethylenimine)â€Based Waterâ€Soluble Lipopolymer for Transfection of Cancer Cells. Macromolecular Bioscience, 2020, 20, e2000040.	4.1	7
26	Vitamin E-Loaded PLA- and PLGA-Based Core-Shell Nanoparticles: Synthesis, Structure Optimization and Controlled Drug Release. Pharmaceutics, 2019, 11, 357.	4.5	31
27	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. Nanomaterials, 2019, 9, 1229.	4.1	45
28	Correlation between the work function of Auâ€“Ag nanoalloys and their electrocatalytic activity in carbon dioxide reduction. Electrochimica Acta, 2019, 313, 171-178.	5.2	27
29	Red-emitting gold nanoclusters for rapid fluorescence sensing of tryptophan metabolites. Sensors and Actuators B: Chemical, 2019, 288, 728-733.	7.8	37
30	Evaluation of pH- responsive poly(styrene-co-maleic acid) copolymer nanoparticles for the encapsulation and pH- dependent release of ketoprofen and tocopherol model drugs. European Polymer Journal, 2019, 114, 361-368.	5.4	14
31	General method for kinetic and thermodynamic evaluation of a receptor model peptide-drug molecule interaction studied by surface plasmon resonance. Microchemical Journal, 2019, 147, 311-318.	4.5	12
32	The effect of synthesis conditions and tunable hydrophilicity on the drug encapsulation capability of PLA and PLGA nanoparticles. Colloids and Surfaces B: Biointerfaces, 2019, 176, 212-218.	5.0	28
33	Composition-Dependent Electrocatalytic Behavior of Auâ€“Sn Bimetallic Nanoparticles in Carbon Dioxide Reduction. ACS Energy Letters, 2019, 4, 48-53.	17.4	65
34	Anti-ulcerant kynurenic acid molecules intercalated Mg/Al-layered double hydroxide and its release study. Applied Clay Science, 2018, 156, 28-35.	5.2	13
35	Microstructuration of poly(3-hexylthiophene) leads to bifunctional superhydrophobic and photoreactive surfaces. Chemical Communications, 2018, 54, 650-653.	4.1	9
36	Cross-linked and hydrophobized hyaluronic acid-based controlled drug release systems. Carbohydrate Polymers, 2018, 195, 99-106.	10.2	24

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37	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. Talanta, 2018, 179, 193-199.	5.5	28
38	Preparation of novel tissue acidosis-responsive chitosan drug nanoparticles: Characterization and in vitro release properties of Ca2+ channel blocker nimodipine drug molecules. European Journal of Pharmaceutical Sciences, 2018, 123, 79-88.	4.0	23
39	Micro Droplet Formation towards Continuous Nanoparticles Synthesis. Micromachines, 2018, 9, 248.	2.9	13
40	Influence of pH and aurate/amino acid ratios on the tuneable optical features of gold nanoparticles and nanoclusters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 601-608.	4.7	20
41	Nucleotide-directed syntheses of gold nanohybrid systems with structure-dependent optical features: Selective fluorescence sensing of Fe3+ ions. Colloids and Surfaces B: Biointerfaces, 2017, 155, 135-141.	5.0	24
42	Dimensional characterization of gold nanorods by combining millisecond and microsecond temporal resolution single particle ICP-MS measurements. Journal of Analytical Atomic Spectrometry, 2017, 32, 2455-2462.	3.0	24
43	Thermodynamic Characterization of Temperatureâ€•and Compositionâ€Dependent Mixed Micelle Formation in Aqueous Medium. Journal of Surfactants and Detergents, 2017, 20, 1291-1299.	2.1	10
44	Hydroxyapatite-enhanced structural, photocatalytic and antibacterial properties of photoreactive TiO2/HAp/polyacrylate hybrid thin films. Surface and Coatings Technology, 2017, 326, 316-326.	4.8	30
45	Detection of biomolecules and bioconjugates by monitoring rotated grating-coupled surface plasmon resonance. Optical Materials Express, 2017, 7, 3181.	3.0	4
46	Modelling and Characterization of the Sorption of Kynurenic Acid on Protein Surfaces. Periodica Polytechnica: Chemical Engineering, 2017, 61, 3.	1.1	5
47	Gold nanohybrid systems with tunable fluorescent feature: Interaction of cysteine and cysteine-containing peptides with gold in two- and three-dimensional systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 511, 264-271.	4.7	14
48	Kinetic and Thermodynamic Evaluation of Kynurenic Acid Binding to GluR1_{270â€“300} Polypeptide by Surface Plasmon Resonance Experiments. Journal of Physical Chemistry B, 2016, 120, 7844-7850.	2.6	17
49	Fine structure of gold nanoparticles stabilized by buthyldithiol: Species identified by MÃ¶ssbauer spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 504, 260-266.	4.7	9
50	Layered double oxide (LDO) particle containing photoreactive hybrid layers with tunable superhydrophobic and photocatalytic properties. Applied Surface Science, 2016, 389, 294-302.	6.1	30
51	Thermodynamic and kinetic characterization of pH-dependent interactions between bovine serum albumin and ibuprofen in 2D and 3D systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 504, 471-478.	4.7	16
52	Controlled syntheses and structural characterization of plasmonic and red-emitting gold/lysozyme nanohybrid dispersions. Colloid and Polymer Science, 2016, 294, 49-58.	2.1	12
53	Targeting of the kynurenic acid across the bloodâ€“brain barrier by core-shell nanoparticles. European Journal of Pharmaceutical Sciences, 2016, 86, 67-74.	4.0	44
54	Adhesion and inactivation of Gram-negative and Gram-positive bacteria on photoreactive TiO2/polymer and Agâ€“TiO2/polymer nanohybrid films. Applied Surface Science, 2016, 371, 139-150.	6.1	52

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55	Reflectometric measurement of n-hexane adsorption on ZnO2 nanohybrid film modified by hydrophobic gold nanoparticles. Applied Surface Science, 2015, 333, 48-53.	6.1	6
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 GluR1270â€“300 with KYNA. Colloids and Surfaces B: Biointerfaces, 2015, 133, 66-72.	5.0	7
57	Determination of binding capacity and adsorption enthalpy between Human Glutamate Receptor (GluR1) peptide fragments and kynurenic acid by surface plasmon resonance experiments. Colloids and Surfaces B: Biointerfaces, 2014, 123, 924-929.	5.0	10
58	Interaction of biofunctionalized gold nanoparticles with model phospholipid membranes. Colloid and Polymer Science, 2014, 292, 2715-2725.	2.1	25
59	Surface and Structural Properties of Gold Nanoparticles and Their Biofunctionalized Derivatives in Aqueous Electrolytes Solution. Journal of Dispersion Science and Technology, 2014, 35, 815-825.	2.4	18
60	Collective Plasmonic Resonances on Arrays of Cysteine-Functionalized Silver Nanoparticle Aggregates. Journal of Physical Chemistry C, 2014, 118, 17940-17955.	3.1	10
61	Comparative Study of Plasmonic Properties of Cysteine-Functionalized Gold and Silver Nanoparticle Aggregates. Plasmonics, 2013, 8, 53-62.	3.4	9
62	Adsorption of Ibuprofen and Dopamine on Functionalized Gold Using Surface Plasmon Resonance Spectroscopy at Solid-Liquid Interface. Croatica Chemica Acta, 2013, 86, 287-295.	0.4	21
63	Effect of pH on stability and plasmonic properties of cysteine-functionalized silver nanoparticle dispersion. Colloids and Surfaces B: Biointerfaces, 2012, 98, 43-49.	5.0	86
64	Synthesis and characterization of Ag/Au alloy and core(Ag)â€“shell(Au) nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 281-287.	4.7	49
65	Optimization of the Field Enhancement and Spectral Bandwidth of Single and Coupled Bimetal Coreâ€“Shell Nanoparticles for Few-Cycle Laser Applications. Plasmonics, 2012, 7, 99-106.	3.4	11
66	Gold nanoparticles formation in the aqueous system of gold(III) chloride complex ions and hydrazine sulfateâ€”Kinetic studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 397, 63-72.	4.7	58
67	A short solid-state synthesis leading to titanate compounds with porous structure and nanosheet morphology. Microporous and Mesoporous Materials, 2012, 147, 53-58.	4.4	13
68	Numerical investigation of the plasmonic properties of bare and cysteine-functionalized silver nanoparticles. Proceedings of SPIE, 2011, , .	0.8	2
69	Functionalization of gold nanoparticles with amino acid, Î²-amyloid peptides and fragment. Colloids and Surfaces B: Biointerfaces, 2010, 81, 235-241.	5.0	116
70	Syntheses and characterization of Cu2+, Ni2+ and Zn2+ binding capability of histidinehydroxamic acid derivatives. Polyhedron, 2010, 29, 3137-3145.	2.2	12
71	Unsymmetrical dizinc complexes as models for the active sites of phosphohydrolases. Dalton Transactions, 2010, 39, 8183.	3.3	48
72	Metal-binding ability of histidine-containing peptidehydroxamic acids: Imidazole versus hydroxamate coordination. Inorganica Chimica Acta, 2009, 362, 753-762.	2.4	11

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73	New Pyrazole-Based Ligands with Two Tripodal Binding Pockets: Potential Scaffolds for Metallobiosite Modeling. Inorganic Chemistry, 2008, 47, 5278-5292.	4.0	20
74	Synthesis and characterization of Cu2+, Ni2+ and Zn2+ 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-CH3 on metal complexation. Polyhedron, 2007, 26, 543-554.	2.2	21