

Angela Agostiano

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309
papers

7,538
citations

40
h-index

70
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322
ext. papers

8,242
ext. citations

5.7
avg, IF

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L-index

#	Paper	IF	Citations
309	Photocatalytic synthesis of silver nanoparticles stabilized by TiO ₂ nanorods: a semiconductor/metal nanocomposite in homogeneous nonpolar solution. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3868-79	16.4	282
308	UV-induced photocatalytic degradation of azo dyes by organic-capped ZnO nanocrystals immobilized onto substrates. <i>Applied Catalysis B: Environmental</i> , 2005 , 60, 1-11	21.8	238
307	Shape and Phase Control of Colloidal ZnSe Nanocrystals. <i>Chemistry of Materials</i> , 2005 , 17, 1296-1306	9.6	206
306	ZnO Nanocrystals by a Non-hydrolytic Route: Synthesis and Characterization. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 4756-4762	3.4	200
305	Colloidal oxide nanoparticles for the photocatalytic degradation of organic dye. <i>Materials Science and Engineering C</i> , 2003 , 23, 285-289	8.3	195
304	Role of Metal Nanoparticles in TiO ₂ /Ag Nanocomposite-Based Microheterogeneous Photocatalysis. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9623-9630	3.4	180
303	Photocatalytic degradation of azo dyes by organic-capped anatase TiO ₂ nanocrystals immobilized onto substrates. <i>Applied Catalysis B: Environmental</i> , 2005 , 55, 81-91	21.8	172
302	Synthesis and Characterization of CdS Nanoclusters in a Quaternary Microemulsion: the Role of the Cosurfactant. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 8391-8397	3.4	160
301	Seeded growth of asymmetric binary nanocrystals made of a semiconductor TiO ₂ rodlike section and a magnetic gamma-Fe ₂ O ₃ spherical domain. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16953-70	16.4	153
300	Optical properties of hybrid composites based on highly luminescent CdS nanocrystals in polymer. <i>Nanotechnology</i> , 2004 , 15, S240-S244	3.4	141
299	Nanocomposite materials for photocatalytic degradation of pollutants. <i>Catalysis Today</i> , 2017 , 281, 85-100	9.3	132
298	Photocatalytic degradation of methyl red by TiO ₂ : comparison of the efficiency of immobilized nanoparticles versus conventional suspended catalyst. <i>Journal of Hazardous Materials</i> , 2007 , 142, 130-7	12.8	129
297	UV and solar-based photocatalytic degradation of organic pollutants by nano-sized TiO ₂ grown on carbon nanotubes. <i>Catalysis Today</i> , 2015 , 240, 114-124	5.3	104
296	Efficient charge storage in photoexcited TiO ₂ nanorod-noble metal nanoparticle composite systems. <i>Chemical Communications</i> , 2005 , 3186-8	5.8	83
295	Colloidal TiO ₂ nanocrystals/MEH-PPV nanocomposites: photo(electro)chemical study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 1554-62	3.4	82
294	Photochemical Synthesis of Water-Soluble Gold Nanorods: The Role of Silver in Assisting Anisotropic Growth. <i>Chemistry of Materials</i> , 2009 , 21, 4192-4202	9.6	80
293	Heavy metal ion influence on the photosynthetic growth of <i>Rhodospirillum rubrum</i> . <i>Chemosphere</i> , 2006 , 62, 1490-9	8.4	78

292	Visible-Light-Active TiO ₂ -Based Hybrid Nanocatalysts for Environmental Applications. <i>Catalysts</i> , 2017 , 7, 100	4	72
291	Synthesis and structural characterisation of CdS nanoparticles prepared in a four-components "water-in-oil" microemulsion. <i>Micron</i> , 2000 , 31, 253-8	2.3	72
290	Development of a novel enzyme/semiconductor nanoparticles system for biosensor application. <i>Materials Science and Engineering C</i> , 2002 , 22, 449-452	8.3	64
289	Protein/lipid interaction in the bacterial photosynthetic reaction center: phosphatidylcholine and phosphatidylglycerol modify the free energy levels of the quinones. <i>Biochemistry</i> , 2004 , 43, 12913-23	3.2	62
288	Photocatalytic activity of organic-capped anatase TiO ₂ nanocrystals in homogeneous organic solutions. <i>Materials Science and Engineering C</i> , 2003 , 23, 707-713	8.3	56
287	Spectroscopic study on imidazolium-based ionic liquids: effect of alkyl chain length and anion. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 3512-8	3.4	55
286	TiO ₂ nanocrystals [MEH-PPV composite thin films as photoactive material. <i>Thin Solid Films</i> , 2004 , 451-452, 64-68	2.2	54
285	Chlorophyll a Behavior in Aqueous Solvents: Formation of Nanoscale Self-Assembled Complexes. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 12820-12829	3.4	53
284	Synthesis of TiO ₂ -Au composites by titania-nanorod-assisted generation of gold nanoparticles at aqueous/nonpolar interfaces. <i>Small</i> , 2006 , 2, 413-21	11	52
283	Encapsulation of Curcumin-Loaded Liposomes for Colonic Drug Delivery in a pH-Responsive Polymer Cluster Using a pH-Driven and Organic Solvent-Free Process. <i>Molecules</i> , 2018 , 23,	4.8	51
282	TiO(2) nanorods/PMMA copolymer-based nanocomposites: highly homogeneous linear and nonlinear optical material. <i>Nanotechnology</i> , 2008 , 19, 205705	3.4	51
281	TiO ₂ colloidal nanocrystals functionalization of PMMA: A tailoring of optical properties and chemical adsorption. <i>Sensors and Actuators B: Chemical</i> , 2007 , 126, 138-143	8.5	51
280	Gram-scale synthesis of UV-Vis light active plasmonic photocatalytic nanocomposite based on TiO ₂ /Au nanorods for degradation of pollutants in water. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 604-613	21.8	51
279	Nanocrystal-based luminescent composites for nanoimprinting lithography. <i>Small</i> , 2007 , 3, 822-8	11	48
278	An electrochemical sewage treatment process. <i>Journal of Applied Electrochemistry</i> , 1980 , 10, 527-533	2.6	48
277	Neosynthesis of cardiolipin in <i>Rhodobacter sphaeroides</i> under osmotic stress. <i>Biochemistry</i> , 2004 , 43, 15066-72	3.2	45
276	Response of the carotenoidless mutant <i>Rhodobacter sphaeroides</i> growing cells to cobalt and nickel exposure. <i>International Biodeterioration and Biodegradation</i> , 2009 , 63, 948-957	4.8	44
275	Role of Functional Groups and Surfactant Charge in Regulating Chlorophyll Aggregation in Micellar Solutions. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 1446-1454	3.4	44

274	Nanocrystalline TiO ₂ based films onto fibers for photocatalytic degradation of organic dye in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2012 , 121-122, 190-197	21.8	43
273	Investigation on alcohol vapours/TiO ₂ nanocrystal thin films interaction by SPR technique for sensing application. <i>Sensors and Actuators B: Chemical</i> , 2004 , 100, 75-80	8.5	43
272	Removal of tetracycline from polluted water by chitosan-olive pomace adsorbing films. <i>Science of the Total Environment</i> , 2019 , 693, 133620	10.2	42
271	Non-targeted ¹ H NMR fingerprinting and multivariate statistical analyses for the characterisation of the geographical origin of Italian sweet cherries. <i>Food Chemistry</i> , 2013 , 141, 3028-33	8.5	41
270	Decorating the photosynthetic bacterial reaction center for bioelectronics. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6471-6478	7.1	41
269	UV-curable nanocomposite based on methacrylic-siloxane resin and surface-modified TiO ₂ nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15494-505	9.5	40
268	Photo-thermal effects in gold nanoparticles dispersed in thermotropic nematic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 20281-7	3.6	40
267	Instrumental and multivariate statistical analyses for the characterisation of the geographical origin of Apulian virgin olive oils. <i>Food Chemistry</i> , 2012 , 133, 579-84	8.5	40
266	Reversible binding of metal ions onto bacterial layers revealed by protonation-induced ATR-FTIR difference spectroscopy. <i>Langmuir</i> , 2011 , 27, 3762-73	4	40
265	Inkjet-printed multicolor arrays of highly luminescent nanocrystal-based nanocomposites. <i>Small</i> , 2009 , 5, 1051-7	11	40
264	Photocatalytic degradation of methyl-red by immobilised nanoparticles of TiO ₂ and ZnO. <i>Water Science and Technology</i> , 2004 , 49, 183-188	2.2	40
263	Improved optical properties of CdS quantum dots by ligand exchange. <i>Materials Science and Engineering C</i> , 2003 , 23, 1083-1086	8.3	40
262	Kinetics of the quinone binding reaction at the QB site of reaction centers from the purple bacteria <i>Rhodobacter sphaeroides</i> reconstituted in liposomes. <i>FEBS Journal</i> , 2003 , 270, 4595-605		40
261	Electronic nose and isotope ratio mass spectrometry in combination with chemometrics for the characterization of the geographical origin of Italian sweet cherries. <i>Food Chemistry</i> , 2015 , 170, 90-6	8.5	39
260	Functional Enzymes in Nonaqueous Environment: The Case of Photosynthetic Reaction Centers in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7768-7776	8.3	39
259	High quality CdS nanocrystals: surface effects. <i>Synthetic Metals</i> , 2003 , 139, 597-600	3.6	39
258	Enhancing the light harvesting capability of a photosynthetic reaction center by a tailored molecular fluorophore. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11019-23	16.4	38
257	Aggregation processes and photophysical properties of chlorophyll a in aqueous solutions modulated by the presence of cyclodextrins. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 2122	3.6	35

256	Highly selective luminescent nanostructures for mitochondrial imaging and targeting. <i>Nanoscale</i> , 2016 , 8, 3350-61	7.7	34
255	Molecular interactions, characterization and photoactivity of Chlorophyll a/chitosan/2-HP- β -cyclodextrin composite films as functional and active surfaces for ROS production. <i>Food Hydrocolloids</i> , 2016 , 58, 98-112	10.6	34
254	Photocatalytic Activity of Nanocomposite Catalyst Films Based on Nanocrystalline Metal/Semiconductors. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12033-12040	3.8	34
253	Emerging methods for fabricating functional structures by patterning and assembling engineered nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11197-207	3.6	34
252	An Epoxy Photoresist Modified by Luminescent Nanocrystals for the Fabrication of 3D High-Aspect-Ratio Microstructures. <i>Advanced Functional Materials</i> , 2007 , 17, 2009-2017	15.6	34
251	Post-synthesis phase and shape evolution of CsPbBr ₃ colloidal nanocrystals: The role of ligands. <i>Nano Research</i> , 2019 , 12, 1155-1166	10	33
250	Photodegradation of nalidixic acid assisted by TiO ₂ nanorods/Ag nanoparticles based catalyst. <i>Chemosphere</i> , 2013 , 91, 941-7	8.4	33
249	Testing the photosynthetic bacterium <i>Rhodobacter sphaeroides</i> as heavy metal removal tool. <i>Annali Di Chimica</i> , 2006 , 96, 195-203		33
248	Amino grafted MCM-41 as highly efficient and reversible ecofriendly adsorbent material for the Direct Blue removal from wastewater. <i>Journal of Molecular Liquids</i> , 2019 , 273, 435-446	6	33
247	Herbicides affect fluorescence and electron transfer activity of spinach chloroplasts, thylakoid membranes and isolated Photosystem II. <i>Bioelectrochemistry</i> , 2010 , 79, 43-9	5.6	31
246	Geographical origin discrimination of lentils (<i>Lens culinaris</i> Medik.) using H NMR fingerprinting and multivariate statistical analyses. <i>Food Chemistry</i> , 2017 , 237, 743-748	8.5	30
245	Synthetic Antenna Functioning As Light Harvester in the Whole Visible Region for Enhanced Hybrid Photosynthetic Reaction Centers. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1614-23	6.3	30
244	Single white light emitting hybrid nanoarchitectures based on functionalized quantum dots. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5286	7.1	30
243	Interaction of TiO ₂ Nanocrystals with Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12923-12929	3.8	30
242	Chlorophyll a auto-aggregation in water rich region. <i>Biophysical Chemistry</i> , 1993 , 47, 193-202	3.5	30
241	Scalable Synthesis of Mesoporous TiO ₂ for Environmental Photocatalytic Applications. <i>Materials</i> , 2019 , 12,	3.5	29
240	SERS Properties of Gold Nanorods at Resonance with Molecular, Transverse, and Longitudinal Plasmon Excitations. <i>Plasmonics</i> , 2014 , 9, 581-593	2.4	29
239	Fabrication of flexible all-inorganic nanocrystal solar cells by room-temperature processing. <i>Energy and Environmental Science</i> , 2013 , 6, 1565	35.4	29

238	TiO ₂ nanocrystal films for sensing applications based on surface plasmon resonance. <i>Synthetic Metals</i> , 2005 , 148, 25-29	3.6	29
237	Light-dependent and Biochemical Properties of Two Different Bands of Bacteriorhodopsin Isolated on Phenyl-Sepharose CL-4B. <i>Photochemistry and Photobiology</i> , 1999 , 69, 599-604	3.6	28
236	Recent Advancements in Polymer/Liposome Assembly for Drug Delivery: From Surface Modifications to Hybrid Vesicles. <i>Polymers</i> , 2021 , 13,	4.5	28
235	Luminescent Oil-Soluble Carbon Dots toward White Light Emission: A Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 839-849	3.8	28
234	Biotin-decorated silica coated PbS nanocrystals emitting in the second biological near infrared window for bioimaging. <i>Nanoscale</i> , 2014 , 6, 7924-33	7.7	27
233	Photoactive hybrid material based on pyrene functionalized PbS nanocrystals decorating CVD monolayer graphene. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4151-9	9.5	27
232	Effects of different vinification technologies on physical and chemical characteristics of Sauvignon blanc wines. <i>Food Chemistry</i> , 2012 , 135, 2694-701	8.5	27
231	Self-organization of mono- and bi-modal PbS nanocrystal populations in superlattices. <i>CrystEngComm</i> , 2011 , 13, 3988	3.3	27
230	Low-dimensional chainlike assemblies of TiO ₂ nanorod-stabilized Au nanoparticles. <i>Chemical Communications</i> , 2005 , 942-4	5.8	27
229	Dipole-dipole transfer between acetone solvates of chlorophyll a and chlorophyll a dihydrate dimers in water/acetone mixtures. A model for P680 sensitized excitation. <i>Chemical Physics Letters</i> , 1987 , 137, 37-41	2.5	27
228	Thin films of TiO ₂ nanocrystals with controlled shape and surface coating for surface plasmon resonance alcohol vapour sensing. <i>Sensors and Actuators B: Chemical</i> , 2007 , 126, 562-572	8.5	26
227	Isolation and characterization of lipids strictly associated to PSII complexes: focus on cardiolipin structural and functional role. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 1620-7	3.8	26
226	Alpha-cyclodextrin functionalized CdS nanocrystals for fabrication of 2/3 D assemblies. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17388-99	3.4	26
225	Hybrid assemblies of fluorescent nanocrystals and membrane proteins in liposomes. <i>Langmuir</i> , 2014 , 30, 1599-608	4	25
224	Cardiolipin increases in chromatophores isolated from <i>Rhodobacter sphaeroides</i> after osmotic stress: structural and functional roles. <i>Journal of Lipid Research</i> , 2009 , 50, 256-64	6.3	25
223	Characterisation of RC-proteoliposomes at different RC/lipid ratios. <i>Photosynthesis Research</i> , 2009 , 100, 107-12	3.7	25
222	A Multifrequency EPR Study on Organic-Capped Anatase TiO ₂ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6221-6226	3.8	25
221	Inclusion complexes of Rose Bengal and cyclodextrins. <i>Thermochimica Acta</i> , 2004 , 418, 33-38	2.9	25

220	Investigation on the detergent role in the function of secondary quinone in bacterial reaction centers. <i>FEBS Journal</i> , 1999 , 262, 358-64		25
219	Multifunctional green synthesized gold nanoparticles/chitosan/ellagic acid self-assembly: Antioxidant, sun filter and tyrosinase-inhibitor properties. <i>Materials Science and Engineering C</i> , 2020 , 106, 110170	8.3	25
218	Chitosan Film as Eco-Friendly and Recyclable Bio-Adsorbent to Remove/Recover Diclofenac, Ketoprofen, and their Mixture from Wastewater. <i>Biomolecules</i> , 2019 , 9,	5.9	24
217	An Alternative Use of Olive Pomace as a Wide-Ranging Bioremediation Strategy to Adsorb and Recover Disperse Orange and Disperse Red Industrial Dyes from Wastewater. <i>Separations</i> , 2017 , 4, 29	3.1	24
216	Effect of Cyclodextrin on spectroscopic properties of ochratoxin A in aqueous solution. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007 , 57, 475-479		24
215	Hybrid junctions of zinc(II) and magnesium(II) phthalocyanine with wide-band-gap semiconductor nano-oxides: spectroscopic and photoelectrochemical characterization. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 24424-32	3.4	24
214	Tetrakis(4-pyridyl)porphyrin supramolecular complexes with cyclodextrins in aqueous solution. <i>Photochemistry and Photobiology</i> , 2006 , 82, 563-9	3.6	24
213	Formation of chlorophyll a photoreactive dimers in alcoholic mixtures: spectroscopic and electrochemical study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1991 , 58, 201-213	4.7	24
212	Spectroscopic and electrochemical characterization of chlorophyll a in different water + organic solvent mixtures. <i>Bioelectrochemistry</i> , 1990 , 23, 311-324		24
211	Discrimination of geographical origin of lentils (<i>Lens culinaris</i> Medik.) using isotope ratio mass spectrometry combined with chemometrics. <i>Food Chemistry</i> , 2015 , 188, 343-9	8.5	23
210	Preparation of drug-loaded small unilamellar liposomes and evaluation of their potential for the treatment of chronic respiratory diseases. <i>International Journal of Pharmaceutics</i> , 2018 , 545, 378-388	6.5	23
209	Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6143-6152	3.8	23
208	Determination of ochratoxin A in wine by means of immunoaffinity and aminopropyl solid-phase column cleanup and fluorometric detection. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 1604-8	5.7	23
207	UV-Light-Driven Immobilization of Surface-Functionalized Oxide Nanocrystals onto Silicon. <i>Advanced Functional Materials</i> , 2007 , 17, 201-211	15.6	23
206	Cyclodextrin/chlorophyll a complexes as supramolecular photosensitizers. <i>Bioelectrochemistry</i> , 2007 , 70, 39-43	5.6	23
205	Deployment and exploitation of nanotechnology nanomaterials and nanomedicine 2018 ,		23
204	The lipidome of the photosynthetic bacterium <i>Rhodobacter sphaeroides</i> R26 is affected by cobalt and chromate ions stress. <i>BioMetals</i> , 2014 , 27, 65-73	3.4	22
203	A combined size sorting strategy for monodisperse plasmonic nanostructures. <i>Nanoscale</i> , 2013 , 5, 3272-87	8.7	21

202	Biofunctionalization of anisotropic nanocrystalline semiconductor-magnetic heterostructures. <i>Langmuir</i> , 2011 , 27, 6962-70	4	21
201	The fate of silver ions in the photochemical synthesis of gold nanorods: an extended X-ray absorption fine structure analysis. <i>Dalton Transactions</i> , 2009 , 10367-74	4.3	21
200	Spontaneous emission control of colloidal nanocrystals using nanoimprinted photonic crystals. <i>Applied Physics Letters</i> , 2007 , 90, 011115	3.4	21
199	Effect of cyclodextrins on the physicochemical properties of chlorophyll a in aqueous solution. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 1313-7	3.4	21
198	Response of membrane protein to the environment: the case of photosynthetic Reaction Centre. <i>Materials Science and Engineering C</i> , 2002 , 22, 263-267	8.3	21
197	Eudragit S100 Entrapped Liposome for Curcumin Delivery: Anti-Oxidative Effect in Caco-2 Cells. <i>Coatings</i> , 2020 , 10, 114	2.9	21
196	Fabrication of photoactive heterostructures based on quantum dots decorated with Au nanoparticles. <i>Science and Technology of Advanced Materials</i> , 2016 , 17, 98-108	7.1	20
195	Selective confinement of oleylamine capped Au nanoparticles in self-assembled PS-b-PEO diblock copolymer templates. <i>Soft Matter</i> , 2014 , 10, 1676-84	3.6	20
194	Identification of ROS produced by photodynamic activity of chlorophyll/cyclodextrin inclusion complexes. <i>Photochemistry and Photobiology</i> , 2013 , 89, 432-41	3.6	20
193	Interactions between heavy metals and photosynthetic materials studied by optical techniques. <i>Bioelectrochemistry</i> , 2009 , 77, 19-25	5.6	20
192	Functionalized copper(II)-phthalocyanine in solution and as thin film: photochemical and morphological characterization toward applications. <i>Langmuir</i> , 2009 , 25, 10305-13	4	20
191	Mechanism of quinol oxidation by ferricenium produced by light excitation in reaction centers of photosynthetic bacteria. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4261-70	3.4	20
190	Luminescent nanocrystals in phospholipid micelles for bioconjugation: an optical and structural investigation. <i>Journal of Colloid and Interface Science</i> , 2008 , 325, 558-66	9.3	20
189	Integrin-targeting with peptide-bioconjugated semiconductor-magnetic nanocrystalline heterostructures. <i>Nano Research</i> , 2016 , 9, 644-662	10	19
188	NIR Emitting Nanoprobes Based on Cyclic RGD Motif Conjugated PbS Quantum Dots for Integrin-Targeted Optical Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43113-43126	9.5	19
187	Enrichment of cardiolipin content throughout the purification procedure of photosystem II. <i>Bioelectrochemistry</i> , 2004 , 63, 103-6	5.6	19
186	Photoelectrochemical study on photosynthetic pigments-sensitized nanocrystalline ZnO films. <i>Bioelectrochemistry</i> , 2004 , 63, 99-102	5.6	19
185	The effects of increasing NaCl concentration on the stability of inclusion complexes in aqueous solution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003 , 73, 653-659	4.1	19

184	Photocatalytic TiO ₂ -Based Nanostructured Materials for Microbial Inactivation. <i>Catalysts</i> , 2020 , 10, 13824	19
183	Electroactive layer-by-layer plasmonic architectures based on Au nanorods. <i>Langmuir</i> , 2014 , 30, 2608-184	18
182	The effect of in-amphorae aging on oenological parameters, phenolic profile and volatile composition of Minutolo white wine. <i>Food Research International</i> , 2015 , 74, 294-305	7 18
181	Biomaterials based on photosynthetic membranes as potential sensors for herbicides. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4747-52	11.8 18
180	Drop-on-demand inkjet printing of highly luminescent CdS and CdSe@ZnS nanocrystal based nanocomposites. <i>Microelectronic Engineering</i> , 2009 , 86, 1124-1126	2.5 18
179	Reverse micellar systems: self organised assembly as effective route for the synthesis of colloidal semiconductor nanocrystals. <i>Materials Science and Engineering C</i> , 2002 , 22, 423-426	8.3 18
178	Au nanoparticle in situ decorated RGO nanocomposites for highly sensitive electrochemical genosensors. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 768-777	7.3 17
177	Commercial bentonite clay as low-cost and recyclable natural adsorbent for the Carbendazim removal/recover from water: Overview on the adsorption process and preliminary photodegradation considerations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 602, 125068	5.1 17
176	Changes in morphology, cell wall composition and soluble proteome in Rhodobacter sphaeroides cells exposed to chromate. <i>BioMetals</i> , 2012 , 25, 939-49	3.4 17
175	CYCLIC VOLTAMMETRY MEASUREMENTS OF THE PHOTOELECTROGENIC REACTIONS OF THYLAKOID MEMBRANES. <i>Photochemistry and Photobiology</i> , 1992 , 55, 449-455	3.6 17
174	Cytotoxicity Study on Luminescent Nanocrystals Containing Phospholipid Micelles in Primary Cultures of Rat Astrocytes. <i>PLoS ONE</i> , 2016 , 11, e0153451	3.7 17
173	Enhanced photoactivity and conductivity in transparent TiO ₂ nanocrystals/graphene hybrid anodes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9307-9315	13 16
172	Interaction between chlorophyll a and b-cyclodextrin derivatives in aqueous solutions. <i>Magyar Árvad Közlönyek</i> , 2002 , 70, 115-122	0 16
171	Lipid-based systems loaded with PbS nanocrystals: near infrared emitting trackable nanovectors. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1471-1481	7.3 15
170	Rose Bengal-photosensitized oxidation of 4-thiothymidine in aqueous medium: evidence for the reaction of the nucleoside with singlet state oxygen. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26307-19	3.6 15
169	Excitation-Dependent Ultrafast Carrier Dynamics of Colloidal TiO ₂ Nanorods in Organic Solvent. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25215-25222	3.8 15
168	Two-Dimensional Plasmonic Superlattice Based on Au Nanoparticles Self-Assembling onto a Functionalized Substrate. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 7579-7590	3.8 15
167	Effect of ultrasound on the function and structure of a membrane protein: The case study of photosynthetic Reaction Center from Rhodobacter sphaeroides. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 103-111	8.9 15

166	Enhancing the Light Harvesting Capability of a Photosynthetic Reaction Center by a Tailored Molecular Fluorophore. <i>Angewandte Chemie</i> , 2012 , 124, 11181-11185	3.6	15
165	Soluble proteome investigation of cobalt effect on the carotenoidless mutant of <i>Rhodobacter sphaeroides</i> . <i>Journal of Applied Microbiology</i> , 2009 , 106, 338-49	4.7	15
164	Photoelectrochemical properties of Zn(II) phthalocyanine/ZnO nanocrystals heterojunctions: nanocrystal surface chemistry effect. <i>Applied Surface Science</i> , 2005 , 246, 367-371	6.7	15
163	Interaction between the photosynthetic anoxygenic microorganism <i>Rhodobacter sphaeroides</i> and soluble gold compounds. From toxicity to gold nanoparticle synthesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 362-371	6	14
162	Nanoimprinted photonic crystals for the modification of the (CdSe)ZnS nanocrystals light emission. <i>Microelectronic Engineering</i> , 2007 , 84, 1574-1577	2.5	14
161	Study on the aggregation and electrochemical properties of Rose Bengal in aqueous solution of cyclodextrins. <i>Bioelectrochemistry</i> , 2007 , 70, 44-9	5.6	14
160	Interactions between surfactant capped CdS nanocrystals and organic solvent. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 92, 271-277	4.1	14
159	Determination of optical parameters of colloidal TiO ₂ nanocrystals-based thin films by using surface plasmon resonance measurements for sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2006 , 115, 365-373	8.5	14
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