Tito Trindade

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307 papers	9,940 citations	50 h-index	87 g-index
331 ext. papers	11,003 ext. citations	5.3 avg, IF	6.33 L-index

#	Paper	IF	Citations
307	Nanocrystalline Semiconductors: Synthesis, Properties, and Perspectives. *Chemistry of Materials*, **2001**, 13, 3843-3858	9.6	1081
306	Silica coated magnetite particles for magnetic removal of Hg2+ from water. *Journal of Colloid and Interface Science*, **2010**, 345, 234-40	9.3	301
305	Synthesis of CdS and CdSe Nanocrystallites Using a Novel Single-Molecule Precursors Approach. *Chemistry of Materials*, **1997**, 9, 523-530	9.6	248
304	Antibacterial activity of nanocomposites of silver and bacterial or vegetable cellulosic fibers. *Acta Biomaterialia*, **2009**, 5, 2279-89	10.8	234
303	N-doped carbon quantum dots/TiO2 composite with improved photocatalytic activity. *Applied Catalysis B: Environmental*, **2016**, 193, 67-74	21.8	218
302	Novel Lanthanide Luminescent Materials Based on Complexes of 3-Hydroxypicolinic Acid and Silica Nanoparticles. *Chemistry of Materials*, **2003**, 15, 100-108	9.6	216
301	Plasma surface modification of polyethylene. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2003**, 222, 125-131	5.1	156
300	Electrostatic assembly of Ag nanoparticles onto nanofibrillated cellulose for antibacterial paper products. *Cellulose*, **2012**, 19, 1425-1436	5.5	150
299	Interconvertable modular framework and layered lanthanide(III)-etidronic acid coordination polymers. *Journal of the American Chemical Society*, **2008**, 130, 150-67	16.4	148
298	Synthesis of PbS nanocrystallites using a novel single moleculeprecursors approach: X-ray single-crystal structure ofPb(S2CNEtPri)2. *Journal of Materials Chemistry*, **1997**, 7, 1011-1016		140
297	A single source approach to the synthesis of CdSe nanocrystallites. *Advanced Materials*, **1996**, 8, 161-163	24	132
296	Hybrid nanostructures for SERS: materials development and chemical detection. *Physical Chemistry Chemical Physics*, **2015**, 17, 21046-71	3.6	123
295	Antibacterial activity of optically transparent nanocomposite films based on chitosan or its derivatives and silver nanoparticles. *Carbohydrate Research*, **2012**, 348, 77-83	2.9	123
294	Antibacterial paper based on composite coatings of nanofibrillated cellulose and ZnO. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 417, 111-119	5.1	112
293	Photoluminescent 3D Lanthanide□Organic Frameworks with 2,5-Pyridinedicarboxylic and 1,4-Phenylenediacetic Acids. *Crystal Growth and Design*, **2008**, 8, 2505-2516	3.5	109
292	Titanium dioxide/cellulose nanocomposites prepared by a controlled hydrolysis method. *Composites Science and Technology*, **2006**, 66, 1038-1044	8.6	108
291	Supported ionic liquid silica nanoparticles (SILnPs) as an efficient and recyclable heterogeneous catalyst for the dehydration of fructose to 5-hydroxymethylfurfural. *Green Chemistry*, **2011**, 13, 340	10	105

290	Photosensitization of TiO2 by Ag2S and its catalytic activity on phenol photodegradation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2009**, 204, 168-173	4.7	95
289	Surface modification of cellulosic fibres for multi-purpose TiO2 based nanocomposites. *Composites Science and Technology*, **2009**, 69, 1051-1056	8.6	95
288	In situ synthesis of magnetite nanoparticles in carrageenan gels. *Biomacromolecules*, **2007**, 8, 2350-7	6.9	95
287	Optical Fiber Sensing Using Quantum Dots. *Sensors*, **2007**, 7, 3489-3534	3.8	95
286	Preparation of zinc oxide and zinc sulfide powders by controlled precipitation from aqueous solution. *Journal of Materials Chemistry*, **1994**, 4, 1611		94
285	Use of Dialkyldithiocarbamato Complexes of Bismuth(III) for the Preparation of Nano- and Microsized Bi2S3 Particles and the X-ray Crystal Structures of [Bi{S2CN(CH3)(C6H13)}3] and [Bi{S2CN(CH3)(C6H13)}3(C12H8N2)]. *Chemistry of Materials*, **2001**, 13, 2103-2111	9.6	93
284	Polymer grafting from CdS quantum dots via AGET ATRP in miniemulsion. *Small*, **2007**, 3, 1230-6	11	91
283	Antifungal activity of transparent nanocomposite thin films of pullulan and silver against Aspergillus niger. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 143-8	6	86
282	Novel SiO2/cellulose nanocomposites obtained by in situ synthesis and via polyelectrolytes assembly. *Composites Science and Technology*, **2008**, 68, 1088-1093	8.6	86
281	Silver-bacterial cellulosic sponges as active SERS substrates. *Journal of Raman Spectroscopy*, **2008**, 39, 439-443	2.3	83
280	Superhydrophobic cellulose nanocomposites. *Journal of Colloid and Interface Science*, **2008**, 324, 42-6	9.3	82
279	Removal of mercury (II) by dithiocarbamate surface functionalized magnetite particles: application to synthetic and natural spiked waters. *Water Research*, **2011**, 45, 5773-84	12.5	81
278	Synthesis and swelling behavior of temperature responsive □-carrageenan nanogels. *Journal of Colloid and Interface Science*, **2011**, 355, 512-7	9.3	81
277	Antibacterial activity of nanocomposites of copper and cellulose. *BioMed Research International*, **2013**, 2013, 280512	3	80
276	Chemical bath deposition of BiVO4. *Thin Solid Films*, **2002**, 406, 93-97	2.2	73
275	Synthesis, surface modification and optical properties of Tb3+-doped ZnO nanocrystals. *Nanotechnology*, **2006**, 17, 834-839	3.4	72
274	□-Carrageenan hydrogel nanocomposites with release behavior mediated by morphological distinct Au nanofillers. *Carbohydrate Polymers*, **2013**, 91, 100-9	10.3	71
273	Three-Dimensional Lanthanide□Organic Frameworks Based on Di-, Tetra-, and Hexameric Clusters. *Crystal Growth and Design*, **2009**, 9, 2098-2109	3.5	70

272	Synthesis and characterization of tungsten trioxide powders prepared from tungstic acids. *Materials Research Bulletin*, **2004**, 39, 683-693	5.1	70
271	Electrostatic assembly and growth of gold nanoparticles in cellulosic fibres. *Journal of Colloid and Interface Science*, **2007**, 312, 506-12	9.3	69
270	Efficient sorbents based on magnetite coated with siliceous hybrid shells for removal of mercury ions. *Journal of Materials Chemistry A*, **2013**, 1, 8134	13	64
269	Chromium removal from contaminated waters using nanomaterials □A review. *TrAC - Trends in Analytical Chemistry*, **2019**, 118, 277-291	14.6	63
268	Impact of magnetic nanofillers in the swelling and release properties of □carrageenan hydrogel nanocomposites. *Carbohydrate Polymers*, **2012**, 87, 328-335	10.3	61
267	Synthesis of CdS and CdSe nanoparticles by thermolysis of diethyldithio-or diethyldiseleno-carbamates of cadmium. *Journal of Materials Chemistry*, **1996**, 6, 343		60
266	A framework to measure the availability of engineered nanoparticles in soils: Trends in soil tests and analytical tools. *TrAC - Trends in Analytical Chemistry*, **2016**, 75, 129-140	14.6	58
265	Photocatalytic decolouration of Orange II by ZnO active layers screen-printed on ceramic tiles. *Journal of Hazardous Materials*, **2009**, 163, 36-42	12.8	57
264	Hydro-Ionothermal Synthesis of Lanthanide-Organic Frameworks with 1,4-Phenylenebis(methylene)diphosphonate. *Crystal Growth and Design*, **2008**, 8, 3917-3920	3.5	56
263	Screen-printing of TiO2 photocatalytic layers on glazed ceramic tiles. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 197, 125-131	4.7	56
262	Growth, Structural, and Optical Characterization of ZnO-Coated Cellulosic Fibers. *Crystal Growth and Design*, **2009**, 9, 386-390	3.5	55
261	Magnetic quaternary chitosan hybrid nanoparticles for the efficient uptake of diclofenac from water. *Carbohydrate Polymers*, **2019**, 203, 35-44	10.3	55
260	Synthetic hollow zinc oxide microparticles. *Materials Research Bulletin*, **2001**, 36, 1099-1108	5.1	54
259	Unusual dye adsorption behavior of □carrageenan coated superparamagnetic nanoparticles. *Chemical Engineering Journal*, **2013**, 229, 276-284	14.7	51
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257	Synthesis and characterization of new CaCO3/cellulose nanocomposites prepared by controlled hydrolysis of dimethylcarbonate. *Carbohydrate Polymers*, **2010**, 79, 1150-1156	10.3	50
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255	Optical studies of ZnO nanocrystals doped with Eu3+ ions. *Applied Physics A: Materials Science and Processing*, **2007**, 88, 129-133	2.6	48

254	Luminescent Polyoxotungstoeuropate Anion-Pillared Layered Double Hydroxides. *European Journal of Inorganic Chemistry*, **2006**, 2006, 726-734	2.3	48
253	The Synthesis of SiO2@CdS Nanocomposites Using Single-Molecule Precursors. *Chemistry of Materials*, **2002**, 14, 2900-2904	9.6	48
252	Recovery of Rare Earth Elements by Carbon-Based Nanomaterials-A Review. *Nanomaterials*, **2019**, 9,	5.4	46
251	Lanthanopolyoxotungstates in silica nanoparticles: multi-wavelength photoluminescent core/shell materials. *Journal of Materials Chemistry*, **2010**, 20, 3313		45
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248	Magnetic Hybrid Nanosorbents for the Uptake of Paraquat from Water. *Nanomaterials*, **2017**, 7,	5.4	44
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243	Behavior of colloidal gold nanoparticles in different ionic strength media. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	40
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239	Optimised hydrothermal synthesis of multi-dimensional hybrid coordination polymers containing flexible organic ligands. *Progress in Solid State Chemistry*, **2005**, 33, 113-125	8	39
238	Chemical bath deposition of cerium doped BiVO4. *Dyes and Pigments*, **2003**, 59, 181-184	4.6	39
237	Growth of BiVO4 particles in cellulosic fibres by in situ reaction. *Dyes and Pigments*, **2005**, 65, 125-127	4.6	38

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220	Ferromagnetic sorbents based on nickel nanowires for efficient uptake of mercury from water. *ACS Applied Materials & Interfaces*, **2014**, 6, 8274-80	9.5	28
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185	Preparation of photoluminescent monolayers based on a polyoxotungstoeuropate. *Journal of Alloys and Compounds*, **2004**, 374, 371-376	5.7	20
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