

Anaãs Pitto-Barry

List of Publications by Year in descending order

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54
papers

2,166
citations

236612

25
h-index

233125

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55
all docs

55
docs citations

55
times ranked

3138
citing authors

#	ARTICLE	IF	CITATIONS
1	Pluronic® block-copolymers in medicine: from chemical and biological versatility to rationalisation and clinical advances. <i>Polymer Chemistry</i> , 2014, 5, 3291-3297.	1.9	369
2	1D vs. 2D shape selectivity in the crystallization-driven self-assembly of polylactide block copolymers. <i>Chemical Science</i> , 2017, 8, 4223-4230.	3.7	165
3	Structural reorganization of cylindrical nanoparticles triggered by polylactide stereocomplexation. <i>Nature Communications</i> , 2014, 5, 5746.	5.8	125
4	Tuning the Size of Cylindrical Micelles from Poly(<i>l</i> -lactide)- <i>b</i> -poly(acrylic acid) Diblock Copolymers Based on Crystallization-Driven Self-Assembly. <i>Macromolecules</i> , 2013, 46, 9074-9082.	2.2	113
5	Nanoparticles of chitosan conjugated to organo-ruthenium complexes. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1058-1064.	3.0	101
6	Double Targeting of Tumours with Pyrenyl-Modified Dendrimers Encapsulated in an Arene-Ruthenium Metallaprism. <i>Chemistry - A European Journal</i> , 2011, 17, 1966-1971.	1.7	83
7	Exploiting nucleobase-containing materials from monomers to complex morphologies using RAFT dispersion polymerization. <i>Polymer Chemistry</i> , 2015, 6, 106-117.	1.9	79
8	Self-Assembly of Temperature-Responsive Protein-Polymer Bioconjugates. <i>Bioconjugate Chemistry</i> , 2015, 26, 1890-1899.	1.8	78
9	Expanding the scope of the crystallization-driven self-assembly of polylactide-containing polymers. <i>Polymer Chemistry</i> , 2014, 5, 1427-1436.	1.9	68
10	Encapsulation of Pyrene-Functionalized Poly(benzyl ether) Dendrons into a Water-Soluble Organometallic Cage. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1595-1603.	1.7	63
11	Cyclic Graft Copolymer Unimolecular Micelles: Effects of Cyclization on Particle Morphology and Thermoresponsive Behavior. <i>Macromolecules</i> , 2016, 49, 2802-2813.	2.2	60
12	RAFT dispersion polymerization: a method to tune the morphology of thymine-containing self-assemblies. <i>Polymer Chemistry</i> , 2015, 6, 4984-4992.	1.9	54
13	Oxidative Stress in Cancer Therapy: Friend or Enemy?. <i>ChemBioChem</i> , 2022, 23, .	1.3	49
14	Designing Supramolecular Liquid-Crystalline Hybrids from Pyrenyl-Containing Dendrimers and Arene Ruthenium Metallacycles. <i>Journal of the American Chemical Society</i> , 2014, 136, 17616-17625.	6.6	45
15	Synthesis and controlled growth of osmium nanoparticles by electron irradiation. <i>Dalton Transactions</i> , 2015, 44, 20308-20311.	1.6	43
16	The Copolymer Blending Method: A New Approach for Targeted Assembly of Micellar Nanoparticles. <i>Macromolecules</i> , 2015, 48, 6516-6522.	2.2	40
17	Enhancement of Cytotoxicity by Combining Pyrenyl-Dendrimers and Arene Ruthenium Metallacages. <i>Inorganic Chemistry</i> , 2012, 51, 7119-7124.	1.9	39
18	Micellar nanoparticles with tuneable morphologies through interactions between nucleobase-containing synthetic polymers in aqueous solution. <i>Polymer Chemistry</i> , 2016, 7, 4254-4262.	1.9	35

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19	Concomitant control of mechanical properties and degradation in resorbable elastomer-like materials using stereochemistry and stoichiometry for soft tissue engineering. <i>Nature Communications</i> , 2021, 12, 446.	5.8	34
20	Precious metal carborane polymer nanoparticles: characterisation of micellar formulations and anticancer activity. <i>Faraday Discussions</i> , 2014, 175, 229-240.	1.6	33
21	Tuning the aggregation behavior of pH-responsive micelles by copolymerization. <i>Polymer Chemistry</i> , 2015, 6, 2761-2768.	1.9	32
22	Fabrication of crystals from single metal atoms. <i>Nature Communications</i> , 2014, 5, 3851.	5.8	31
23	Polymers and boron neutron capture therapy (BNCT): a potent combination. <i>Polymer Chemistry</i> , 2021, 12, 2035-2044.	1.9	31
24	Use of complementary nucleobase-containing synthetic polymers to prepare complex self-assembled morphologies in water. <i>Polymer Chemistry</i> , 2016, 7, 2836-2846.	1.9	29
25	Arene ruthenium dithiolato-carborane complexes for boron neutron capture therapy (BNCT). <i>Journal of Organometallic Chemistry</i> , 2015, 796, 17-25.	0.8	27
26	Dual effect of thiol addition on fluorescent polymeric micelles: ON-to-OFF emissive switch and morphology transition. <i>Chemical Communications</i> , 2014, 50, 11492-11495.	2.2	26
27	Complementary light scattering and synchrotron small-angle X-ray scattering studies of the micelle-to-unimer transition of polysulfobetaines. <i>Soft Matter</i> , 2015, 11, 3666-3676.	1.2	25
28	CO ₂ /pH-responsive particles with built-in fluorescence read-out. <i>Polymer Chemistry</i> , 2016, 7, 5943-5948.	1.9	24
29	Amphiphilic block copolymer self-assemblies of poly(NVP)- <i>b</i> -poly(MDO-co-vinyl esters): Tunable dimensions and functionalities. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2699-2710.	2.5	16
30	Core functionalization of semi-crystalline polymeric cylindrical nanoparticles using photo-initiated thiol-ene radical reactions. <i>Polymer Chemistry</i> , 2016, 7, 2337-2341.	1.9	16
31	The hydrolytic behavior of N,N ^ε -(dimethylamino)ethyl acrylate-functionalized polymeric stars. <i>Polymer Chemistry</i> , 2017, 8, 5060-5070.	1.9	15
32	Exploiting topology-directed nanoparticle disassembly for triggered drug delivery. <i>Biomaterials</i> , 2018, 180, 184-192.	5.7	15
33	Construction of DNA-polymer hybrids using intercalation interactions. <i>Chemical Communications</i> , 2014, 50, 1338-1340.	2.2	14
34	Synthetic strategies, sustainability and biological applications of malic acid-based polymers. <i>Green Materials</i> , 2014, 2, 107-122.	1.1	14
35	Osmium Atoms and Os ₂ Molecules Move Faster on Selenium-Doped Compared to Sulfur-Doped Boronic Graphenic Surfaces. <i>Chemistry of Materials</i> , 2015, 27, 5100-5105.	3.2	14
36	Dynamics of formation of Ru, Os, Ir and Au metal nanocrystals on doped graphitic surfaces. <i>Chemical Communications</i> , 2016, 52, 3895-3898.	2.2	13

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37	Pseudo electron-deficient organometallics: limited reactivity towards electron-donating ligands. Dalton Transactions, 2017, 46, 15676-15683.	1.6	13
38	Controlled fabrication of osmium nanocrystals by electron, laser and microwave irradiation and characterisation by microfocus X-ray absorption spectroscopy. Chemical Communications, 2017, 53, 12898-12901.	2.2	12
39	Synthesis, Characterisation and In Vitro Anticancer Activity of Catalytically Active Indole-Based Half-Sandwich Complexes. Molecules, 2020, 25, 4540.	1.7	12
40	Retaining individualities: the photodynamics of self-ordering porphyrin assemblies. Chemical Communications, 2016, 52, 1938-1941.	2.2	11
41	Anti-inflammatory activity of electron-deficient organometallics. Royal Society Open Science, 2017, 4, 170786.	1.1	11
42	Effect of Temperature on the Nucleation and Growth of Precious Metal Nanocrystals. Angewandte Chemie - International Edition, 2019, 58, 18482-18486.	7.2	10
43	Preclinical Anticancer Activity of an Electron-Deficient Organoruthenium(II) Complex. ChemMedChem, 2020, 15, 982-987.	1.6	10
44	Structural Determinants of the Stability of Enzyme-Responsive Polyion Complex Nanoparticles Targeting <i>Pseudomonas aeruginosa</i> 's Elastase. ChemNanoMat, 2018, 4, 807-814.	1.5	9
45	The Sound of Chemistry: Translating Infrared Wavenumbers into Musical Notes. Journal of Chemical Education, 2020, 97, 703-709.	1.1	9
46	Schizophrenia: synthetic strategies and recent advances in drug design. MedChemComm, 2018, 9, 759-782.	3.5	8
47	The synthesis and unexpected solution chemistry of thermochromic carborane-containing osmium half-sandwich complexes. Dalton Transactions, 2016, 45, 1763-1768.	1.6	7
48	New Class of Hybrid Materials for Detection, Capture, and 'On-Demand' Release of Carbon Monoxide. ACS Applied Materials & Interfaces, 2018, 10, 13693-13701.	4.0	7
49	Anticancer Activity of Electron-Deficient Metal Complexes against Colorectal Cancer in...vitro Models. ChemMedChem, 2019, 14, 1887-1893.	1.6	7
50	Influence of boron doping on the dynamics of formation of Os metal nanoclusters on graphitic surfaces. Chemical Communications, 2019, 55, 6038-6041.	2.2	7
51	Indole-containing arene-ruthenium complexes with broad spectrum activity against antibiotic-resistant bacteria. Current Research in Microbial Sciences, 2022, 3, 100099.	1.4	6
52	Controlled Release of Carbon Monoxide from a Pseudo Electron-Deficient Organometallic Complex. ACS Omega, 2018, 3, 15623-15627.	1.6	3
53	Effect of Temperature on the Nucleation and Growth of Precious Metal Nanocrystals. Angewandte Chemie, 2019, 131, 18653-18657.	1.6	3
54	Evaluation of the Toxicity of Two Electron-Deficient Half-Sandwich Complexes against Human Lymphocytes from Healthy Individuals. ChemMedChem, 2021, 16, 624-629.	1.6	3