

# Paulo J G Coutinho

## List of Publications by Year in descending order

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87  
papers

1,650  
citations

304743

22  
h-index

377865

34  
g-index

91  
all docs

91  
docs citations

91  
times ranked

1986  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron-doped photocatalytic TiO <sub>2</sub> sputtered coatings on plastics for self-cleaning applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 138, 144-150.	3.5	102
2	Nile Red and DCM Fluorescence Anisotropy Studies in C12E7/DPPC Mixed Systems. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12841-12846.	2.6	76
3	Reactive sputtering deposition of photocatalytic TiO <sub>2</sub> thin films on glass substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 138, 139-143.	3.5	73
4	Study of the deposition parameters and Fe-dopant effect in the photocatalytic activity of TiO <sub>2</sub> films prepared by dc reactive magnetron sputtering. <i>Vacuum</i> , 2005, 78, 37-46.	3.5	64
5	Functionalised benzo[a]phenoxazine dyes as long-wavelength fluorescent probes for amino acids. <i>Tetrahedron</i> , 2007, 63, 1654-1663.	1.9	56
6	Magnetic liposomes based on nickel ferrite nanoparticles for biomedical applications. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18011-18021.	2.8	54
7	Magnetoliposomes based on manganese ferrite nanoparticles as nanocarriers for antitumor drugs. <i>RSC Advances</i> , 2016, 6, 17302-17313.	3.6	44
8	Synthesis and spectral properties of long-wavelength fluorescent dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 185, 220-230.	3.9	38
9	DODAB:monoolein-based lipoplexes as non-viral vectors for transfection of mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2440-2449.	2.6	38
10	Magnetoliposomes containing magnesium ferrite nanoparticles as nanocarriers for the model drug curcumin. <i>Royal Society Open Science</i> , 2018, 5, 181017.	2.4	31
11	Application of benzo[a]phenoxazinium chlorides in antimicrobial photodynamic therapy of <i>Candida albicans</i> biofilms. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 141, 93-99.	3.8	29
12	Development of Multifunctional Liposomes Containing Magnetic/Plasmonic MnFe <sub>2</sub> O <sub>4</sub> /Au Core/Shell Nanoparticles. <i>Pharmaceutics</i> , 2019, 11, 10.	4.5	29
13	Stealth Magnetoliposomes Based on Calcium-Substituted Magnesium Ferrite Nanoparticles for Curcumin Transport and Release. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3641.	4.1	29
14	Synthesis of short and long-wavelength functionalised probes: amino acids' labelling and photophysical studies. <i>Tetrahedron</i> , 2007, 63, 12405-12418.	1.9	28
15	Novel long alkyl side chain benzo[a]phenoxazinium chlorides: synthesis, photophysical behaviour and DNA interaction. <i>Tetrahedron</i> , 2009, 65, 10441-10452.	1.9	28
16	Magnetogels: Prospects and Main Challenges in Biomedical Applications. <i>Pharmaceutics</i> , 2018, 10, 145.	4.5	28
17	Supramolecular assembled nanogel made of mannan. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 97-108.	9.4	27
18	Magnetoliposomes as carriers for promising antitumor thieno[3,2-b]pyridin-7-arylamines: photophysical and biological studies. <i>RSC Advances</i> , 2017, 7, 15352-15361.	3.6	27

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19	Magnetoliposomes Containing Calcium Ferrite Nanoparticles for Applications in Breast Cancer Therapy. <i>Pharmaceutics</i> , 2019, 11, 477.	4.5	27
20	Dehydropeptide-based plasmonic magnetogels: a supramolecular composite nanosystem for multimodal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 45-64.	5.8	27
21	Self-Assembled Nanogel Made of Mannan: Synthesis and Characterization. <i>Langmuir</i> , 2010, 26, 11413-11420.	3.5	26
22	Novel Nile Blue derivatives as fluorescent probes for DNA. <i>Dyes and Pigments</i> , 2013, 99, 220-227.	3.7	24
23	Tunable pDNA/DODAB:MO lipoplexes: The effect of incubation temperature on pDNA/DODAB:MO lipoplexes structure and transfection efficiency. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 371-379.	5.0	23
24	Structural dynamics and physicochemical properties of pDNA/DODAB:MO lipoplexes: Effect of pH and anionic lipids in inverted non-lamellar phases versus lamellar phases. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2555-2567.	2.6	22
25	Domain Formation in DODAB-Cholesterol Mixed Systems Monitored via Nile Red Anisotropy. <i>Journal of Fluorescence</i> , 2005, 15, 835-840.	2.5	21
26	New long alkyl side-chain benzo[a]phenoxazines as micellisation probes. <i>Tetrahedron Letters</i> , 2009, 50, 4470-4474.	1.4	21
27	Supramolecular ultra-short carboxybenzyl-protected dehydropeptide-based hydrogels for drug delivery. <i>Materials Science and Engineering C</i> , 2021, 122, 111869.	7.3	21
28	Rapid pK measurements for multibasic weak acids by gradient flow injection titration. <i>Analytica Chimica Acta</i> , 1992, 258, 259-267.	5.4	20
29	Synthesis and Characterization of Self-Assembled Nanogels Made of Pullulan. <i>Materials</i> , 2011, 4, 601-620.	2.9	20
30	Solid and aqueous magnetoliposomes as nanocarriers for a new potential drug active against breast cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 460-468.	5.0	20
31	Physicochemical characterisation and release behaviour of curcumin-loaded lactoferrin nanohydrogels into food simulants. <i>Food and Function</i> , 2020, 11, 305-317.	4.6	19
32	Characterization of Monoolein-Based Lipoplexes Using Fluorescence Spectroscopy. <i>Journal of Fluorescence</i> , 2008, 18, 555-562.	2.5	18
33	Synthesis and photophysical properties of side-chain chlorinated benzo[a]phenoxazinium chlorides. <i>Tetrahedron</i> , 2013, 69, 2451-2461.	1.9	18
34	Synthesis of new benzo[a]phenoxazinium probes possessing carboxylic ester, hydroxyl and amino functional groups: Photophysical studies in dry ethanol and conjugation with CdTe quantum dots. <i>Dyes and Pigments</i> , 2014, 110, 203-213.	3.7	18
35	Impact of Citrate and Lipid-Functionalized Magnetic Nanoparticles in Dehydropeptide Supramolecular Magnetogels: Properties, Design and Drug Release. <i>Nanomaterials</i> , 2021, 11, 16.	4.1	18
36	Magnetophoresis behaviour at low gradient magnetic field and size control of nickel single core nanobeads. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1945-1949.	2.3	17

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37	Novel DNA fluorescence probes based on N-[5-(11-functionalised-undecylamino)-9H-benzo[a]phenoxazin-9-ylidene]propan-1-aminium chlorides: synthesis and photophysical studies. <i>Tetrahedron Letters</i> , 2011, 52, 112-116.	1.4	17
38	Novel dehydropeptide-based magnetogels containing manganese ferrite nanoparticles as antitumor drug nanocarriers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10377-10390.	2.8	17
39	Benzothienoquinolines: New one-pot synthesis and fluorescence studies of their interaction with DNA and polynucleotides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 294, 20-30.	3.9	16
40	Ultrasound promoted synthesis of Nile Blue derivatives. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 360-366.	8.2	16
41	Energy Transfer via Exciton Transport in Quantum Dot Based Self-Assembled Fractal Structures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4982-4990.	3.1	15
42	Kinetics of the electron transfer reaction between 3ZnTPP* and methyl viologen in lecithin vesicles studied by global analysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 82, 149-160.	3.9	14
43	Effect of Temperature and Surfactant on the Control Release of Microencapsulated Dye in Lecithin Liposomes. I. <i>Journal of Liposome Research</i> , 2003, 13, 111-121.	3.3	14
44	Interaction of DODAB with neutral phospholipids and cholesterol studied using fluorescence anisotropy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 181, 99-105.	3.9	14
45	Characterization of TiO <sub>2</sub> Nanoparticles in Langmuir-Blodgett Films. <i>Journal of Fluorescence</i> , 2006, 16, 387-392.	2.5	14
46	N-(Di)icosyl-Substituted Benzo[a]phenoxazinium Chlorides: Synthesis and Evaluation as Near-Infrared Membrane Probes. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2491-2497.	2.4	14
47	New potential antitumoral di(hetero)arylether derivatives in the thieno[3,2-b]pyridine series: Synthesis and fluorescence studies in solution and in nanoliposomes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 238, 71-80.	3.9	14
48	Magnetic Nanoparticles of Zinc/Calcium Ferrite Decorated with Silver for Photodegradation of Dyes. <i>Materials</i> , 2019, 12, 3582.	2.9	14
49	Magnetoliposomes Based on Shape Anisotropic Calcium/Magnesium Ferrite Nanoparticles as Nanocarriers for Doxorubicin. <i>Pharmaceutics</i> , 2021, 13, 1248.	4.5	14
50	Effect of pH on the Control Release of Microencapsulated Dye in Lecithin Liposomes. II. <i>Journal of Liposome Research</i> , 2003, 13, 123-130.	3.3	13
51	Characterization of mixed DODAB/monoolein aggregates using Nile Red as a solvatochromic and anisotropy fluorescent probe. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 203, 32-39.	3.9	13
52	Magnetoliposomes based on nickel/silica core/shell nanoparticles: Synthesis and characterization. <i>Materials Chemistry and Physics</i> , 2014, 148, 978-987.	4.0	13
53	Carbon nanotube-reinforced cell-derived matrix-silk fibroin hierarchical scaffolds for bone tissue engineering applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9561-9574.	5.8	13
54	Synthesis and photophysical studies of new benzo[a]phenoxazinium chlorides as potential antifungal agents. <i>Tetrahedron Letters</i> , 2016, 57, 3936-3941.	1.4	12

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55	Development of Novel Magnetoliposomes Containing Nickel Ferrite Nanoparticles Covered with Gold for Applications in Thermo-therapy. <i>Materials</i> , 2020, 13, 815.	2.9	12
56	Synthesis and Photophysical Studies of a Pyrenylindole and a Phenalenoindole Obtained from Dehydroamino Acid Derivatives – Application as Fluorescent Probes for Biological Systems. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3906-3916.	2.4	11
57	A new antitumoral Heteroarylaminothieno[3,2-b]pyridine derivative: its incorporation into liposomes and interaction with proteins monitored by fluorescence. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1730-1740.	2.9	11
58	The formation of radical ions of ZnTPP in lecithin vesicles evaluated by a global kinetic treatment. <i>Chemical Physics</i> , 1994, 182, 399-408.	1.9	10
59	Transient photokinetics of Rhodamine 3B+ClO <sub>4</sub> <sup>-</sup> in water:toluene mixtures. <i>Chemical Physics</i> , 2000, 262, 453-465.	1.9	10
60	Synthesis, photophysical characterisation and photostability studies of NIR probes with aliphatic, aromatic and chlorinated terminals in 5- and 9-amino positions of benzo[ a ]phenoxazines. <i>Dyes and Pigments</i> , 2016, 132, 204-212.	3.7	10
61	Fluorescent probes based on side-chain chlorinated benzo[ a ]phenoxazinium chlorides: Studies of interaction with DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 1-9.	3.9	10
62	Magnetoliposomes Incorporated in Peptide-Based Hydrogels: Towards Development of Magnetolipogels. <i>Nanomaterials</i> , 2020, 10, 1702.	4.1	10
63	Effect of Surfactants in Soybean Lecithin Liposomes Studied by Energy Transfer Between NBD-PE and N-Rh-PE. <i>Journal of Liposome Research</i> , 2000, 10, 419-429.	3.3	9
64	CdSe/TiO <sub>2</sub> core-shell nanoparticles produced in AOT reverse micelles: applications in pollutant photodegradation using visible light. <i>Nanoscale Research Letters</i> , 2011, 6, 426.	5.7	9
65	Platinum Nanoparticles as pH Sensor for Intelligent Packaging. <i>Journal of Nano Research</i> , 0, 18-19, 97-104.	0.8	9
66	Tuning the drug multimodal release through a co-assembly strategy based on magnetic gels. <i>Nanoscale</i> , 2022, 14, 5488-5500.	5.6	9
67	Fluorescence studies of the interaction of pyrenylmethyl tributylphosphonium bromide with double-strand polynucleotides. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 217.	2.9	8
68	Development of Thermo- and pH-Sensitive Liposomal Magnetic Carriers for New Potential Antitumor Thienopyridine Derivatives. <i>Materials</i> , 2022, 15, 1737.	2.9	8
69	Magnetoliposomes Containing Multicore Nanoparticles and a New Antitumor Thienopyridine Compound with Potential Application in Chemo/Thermo-therapy. <i>Biomedicines</i> , 2022, 10, 1547.	3.2	8
70	Release of Volatile Compounds from Polymeric Microcapsules Mediated by Photocatalytic Nanoparticles. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-9.	2.5	7
71	Magnetoliposomes Based on Magnetic/Plasmonic Nanoparticles Loaded with Tricyclic Lactones for Combined Cancer Therapy. <i>Pharmaceutics</i> , 2021, 13, 1905.	4.5	7
72	Fluorescence properties of a potential antitumoral benzothieno[3,2-b]pyrrole in solution and lipid membranes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 206, 220-226.	3.9	6

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73	Photophysics and Biophysical Applications of Benzo[a]phenoxazine Type Fluorophores. Reviews in Fluorescence, 2009, , 335-362.	0.5	5
74	Interaction of antitumoral fluorescent heteroaromatic compounds, a benzothienopyrrole and two thienoindoles, with DNA and lipid membranes. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 240, 14-25.	3.9	5
75	New 1,3-diarylureas linked by CC Suzuki coupling to the methyl 3-aminothieno[3,2-b]pyridine-2-carboxylate moiety: Synthesis and fluorescence studies in solution and in lipid membranes. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 255, 27-35.	3.9	5
76	Chitosan Nano/Microformulations for Antimicrobial Protection of Leather with a Potential Impact in Tanning Industry. Materials, 2022, 15, 1750.	2.9	5
77	<i>Size Distributions of Cadmium Sulfide Nanoparticles Obtained from Templating Methods</i>. Annals of the New York Academy of Sciences, 2008, 1130, 242-246.	3.8	4
78	Fluorescence Studies on New Potential Antitumoral Benzothienopyran-1-ones in Solution and in Liposomes. Journal of Fluorescence, 2011, 21, 911-922.	2.5	4
79	Fluorescence and diffuse reflectance spectroscopy for early cancer detection using a new strategy towards the development of a miniaturized system. , 2010, 2010, 1210-3.		3
80	New NIR dyes based on quinolizino[1,9-hi]phenoxazin-6-iminium chlorides: synthesis, photophysics and antifungal activity. Dyes and Pigments, 2020, 173, 107870.	3.7	3
81	Monoolein as helper lipid for non-viral transfection in mammals. Journal of Controlled Release, 2010, 148, e91-e92.	9.9	2
82	Fluorescence studies on potential antitumor 6-(hetero)arylthieno[3,2-b]pyridine derivatives in solution and in nanoliposomes. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 264, 56-66.	3.9	2
83	Photocatalytic thin films coupled with polymeric microcapsules for the controlled-release of volatile agents upon solar activation. Journal of Physics: Conference Series, 2013, 439, 012018.	0.4	2
84	Photodeposition of Silver on Zinc/Calcium Ferrite Nanoparticles: A Contribution to Efficient Effluent Remediation and Catalyst Reutilization. Nanomaterials, 2021, 11, 831.	4.1	2
85	C12E7-DPPC mixed systems studied by pyrene fluorescence emission. , 0, , 83-87.		1
86	Magnetoliposomes for dual cancer therapy. , 2018, , 489-527.		1
87	Lipid interaction with textile fibres in dyeing conditions. , 0, , 88-93.		0