

# Renato E Boto

## List of Publications by Year in descending order

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46  
papers

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citations

430442

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47  
docs citations

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719  
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#	ARTICLE	IF	CITATIONS
1	Trisubstituted barbiturates and thiobarbiturates: Synthesis and biological evaluation as xanthine oxidase inhibitors, antioxidants, antibacterial and anti-proliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 829-842.	2.6	49
2	Synthesis and Photochemical Evaluation of Iodinated Squarylium Cyanine Dyes. <i>Helvetica Chimica Acta</i> , 2005, 88, 1135-1143.	1.0	43
3	Synthesis and in vitro evaluation of the antitumoral phototherapeutic potential of squaraine cyanine dyes derived from indolenine. <i>Dyes and Pigments</i> , 2019, 167, 98-108.	2.0	34
4	Aza-substituted squaraines for the fluorescent detection of albumins. <i>Dyes and Pigments</i> , 2011, 90, 41-47.	2.0	33
5	The synthesis and characterization of novel, aza-substituted squarylium cyanine dyes. <i>Dyes and Pigments</i> , 2009, 81, 197-202.	2.0	31
6	Rhodamine B as ligand for affinity chromatography. Fixation studies onto cellulose by a curing method. <i>European Polymer Journal</i> , 2006, 42, 2270-2282.	2.6	29
7	Nimesulide analogues: From anti-inflammatory to antitumor agents. <i>Bioorganic Chemistry</i> , 2019, 88, 102966.	2.0	29
8	Thiacarbocyanine as ligand in dye affinity chromatography for protein purification. <i>Biomedical Chromatography</i> , 2008, 22, 278-288.	0.8	25
9	Synthesis, spectroscopic characterization and biological evaluation of unsymmetrical aminosquarylium cyanine dyes. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3803-3814.	1.4	25
10	Red and Near-Infrared Absorbing Dicyanomethylene Squaraine Cyanine Dyes: Photophysical Properties and Anti-Tumor Photosensitizing Effects. <i>Materials</i> , 2020, 13, 2083.	1.3	25
11	Studies of Benzothiazole and Benzoselenazole Squaraines as Fluorescent Probes for Albumins Detection. <i>Journal of Fluorescence</i> , 2008, 18, 877-882.	1.3	24
12	Synthesis, characterization and protein-association of dicyanomethylene squaraine dyes. <i>Dyes and Pigments</i> , 2017, 147, 120-129.	2.0	23
13	Nanostructuring of Bridged Organosilane Precursors with Pendant Alkyl Chains. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1218-1225.	1.0	22
14	Crystal structures of a benzoselenazole-derived squarylium cyanine dye and three derivatives substituted at the central squaric ring. <i>CrystEngComm</i> , 2011, 13, 1333-1338.	1.3	21
15	Synthesis and characterization of novel mono- and dicarboxyalkylthiacarbocyanines and their ester derivatives. <i>Dyes and Pigments</i> , 2007, 73, 195-205.	2.0	20
16	Thiacarbocyanine as ligand in dye affinity chromatography for protein purification. II. dynamic binding capacity using lysozyme as a model. <i>Biomedical Chromatography</i> , 2009, 23, 987-993.	0.8	20
17	Photodynamic activity of indolenine-based aminosquaraine cyanine dyes: Synthesis and in vitro photobiological evaluation. <i>Dyes and Pigments</i> , 2020, 174, 108024.	2.0	20
18	Barbiturate squaraine dyes as fluorescent probes for serum albumins detection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112710.	2.0	19

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19	A study of N,N'-dicarboxyalkylthiacarbocyanines as cyanine reactive dyes covalently bound to cellulose. <i>Dyes and Pigments</i> , 2001, 48, 71-84.	2.0	15
20	Targeting of Mitochondria-Endoplasmic Reticulum by Fluorescent Macrocyclic Compounds. <i>PLoS ONE</i> , 2011, 6, e27078.	1.1	15
21	Synthesis and characterization of mono- and dicarboxyalkyloxacarboyanines. <i>Dyes and Pigments</i> , 2007, 75, 298-305.	2.0	13
22	NMR spectroscopy study of 2-methylbenzoxazolium salts hydroxylation in DMSO-d <sub>6</sub> solution. <i>Tetrahedron Letters</i> , 2006, 47, 6723-6725.	0.7	12
23	Influenza DNA vaccine purification using pHEMA cryogel support. <i>Separation and Purification Technology</i> , 2018, 206, 192-198.	3.9	12
24	Squaraine dyes as serum albumins probes: Synthesis, photophysical experiments and molecular docking studies. <i>Bioorganic Chemistry</i> , 2021, 115, 105221.	2.0	12
25	Photophysicochemical Properties and In Vitro Phototherapeutic Effects of Iodoquinoline- and Benzothiazole-Derived Unsymmetrical Squaraine Cyanine Dyes. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5414.	1.3	11
26	Quinoline- and Benzoselenazole-Derived Unsymmetrical Squaraine Cyanine Dyes: Design, Synthesis, Photophysicochemical Features and Light-Triggerable Antiproliferative Effects against Breast Cancer Cell Lines. <i>Materials</i> , 2020, 13, 2646.	1.3	11
27	Picolylamine-functionalized benz[e]indole squaraine dyes: Synthetic approach, characterization and in vitro efficacy as potential anticancer phototherapeutic agents. <i>European Journal of Medicinal Chemistry</i> , 2022, 229, 114071.	2.6	11
28	Novel 4-acetamide-2-alkylthio-N-acetanilides resembling nimesulide: Synthesis, cell viability evaluation and in silico studies. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4304-4313.	1.4	10
29	A synthetic route to novel 3-substituted-2,1-benzisoxazoles from 5-(2-nitrobenzylidene)(thio)barbiturates. <i>Comptes Rendus Chimie</i> , 2017, 20, 990-995.	0.2	10
30	5-Hydrazinylethylidenepyrimidines effective against multidrug-resistant <i>Acinetobacter baumannii</i> : Synthesis and in vitro biological evaluation of antibacterial, radical scavenging and cytotoxic activities. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 137, 104964.	1.9	10
31	In vitro phototherapeutic effects of indolenine-based mono- and dithiosquaraine cyanine dyes against Caco-2 and HepG2 human cancer cell lines. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101844.	1.3	9
32	Highlights on Steroidal Arylidene Derivatives as a Source of Pharmacologically Active Compounds: A Review. <i>Molecules</i> , 2021, 26, 2032.	1.7	9
33	VT-NMR and cytotoxic evaluation of some new ortho-(alkylchalcogen)acetanilides. <i>Tetrahedron</i> , 2014, 70, 8930-8937.	1.0	8
34	Synthesis and characterization of new mono- and dicarboxyalkylselenacarboyanines. <i>Dyes and Pigments</i> , 2008, 76, 165-172.	2.0	7
35	Study of specific interaction between nucleotides and dye support by nuclear magnetic resonance. <i>Journal of Molecular Recognition</i> , 2011, 24, 975-980.	1.1	7
36	Synthesis and dynamic study of new ortho-(alkylchalcogen)acetanilide atropisomers. A second look at the hydrolysis of quaternary 2-methylbenzazol-3-ium salts. <i>Tetrahedron Letters</i> , 2013, 54, 5441-5444.	0.7	7

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37	Squaraine Dyes Derived from Indolenine and Benzo[ <i>e</i> ]indole as Potential Fluorescent Probes for HSA Detection and Antifungal Agents. <i>Photochemistry and Photobiology</i> , 2022, 98, 1402-1417.	1.3	7
38	From Xanthine Oxidase Inhibition to In Vivo Hypouricemic Effect: An Integrated Overview of In Vitro and In Vivo Studies with Focus on Natural Molecules and Analogues. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-17.	0.5	5
39	Synthesis and process optimization of symmetric and unsymmetric barbiturates C5-coupled with 2,1-benzisoxazoles. <i>Molecular Diversity</i> , 2020, 24, 155-166.	2.1	4
40	Bis-thiobarbiturates as Promising Xanthine Oxidase Inhibitors: Synthesis and Biological Evaluation. <i>Biomedicines</i> , 2021, 9, 1443.	1.4	4
41	Dynamic exchange of heterocyclic subunits during halogen substitution in chloroheptamethinecyanine dyes by benzoazolium salts. <i>Tetrahedron Letters</i> , 2007, 48, 5137-5142.	0.7	3
42	A Benzothiazolium Salt as Chromatography Ligand for Protein Purification. <i>Chromatographia</i> , 2014, 77, 1597-1605.	0.7	2
43	The Synthesis of 2-Spiroindolin-3-one-(thio)barbiturates from 2,1-Benzisoxazoles: A Rearrangement Promoted by Thermal Conditions. <i>Synthesis</i> , 2020, 52, 2065-2072.	1.2	2
44	Rhodamine B as Ligand for Affinity Chromatography: Chromatographic Studies on Derivatized Beaded Cellulose. <i>Journal of Chromatographic Science</i> , 2010, 48, 240-244.	0.7	1
45	NMR screening of new carbocyanine dyes as ligands for affinity chromatography. <i>Journal of Molecular Recognition</i> , 2014, 27, 197-204.	1.1	1
46	Two Symmetrical Squarylium Cyanine Dyes: Synthesis, Photophysics and Antifungal Activity in <i>Saccharomyces cerevisiae</i> . <i>Chemistry Proceedings</i> , 2020, 3, .	0.1	0