

# Vincent Sol

## List of Publications by Year in descending order

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104  
papers

2,943  
citations

159525

30  
h-index

206029

48  
g-index

107  
all docs

107  
docs citations

107  
times ranked

4072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of curcumin-cyclodextrin/cellulose nanocrystals complexes: New anticancer drug delivery systems. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 941-945.	1.0	172
2	Antimicrobial silver nanoparticles generated on cellulose nanocrystals. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1557-1562.	0.8	158
3	Triazinyl Porphyrin-Based Photoactive Cotton Fabrics: Preparation, Characterization, and Antibacterial Activity. <i>Biomacromolecules</i> , 2011, 12, 1716-1723.	2.6	111
4	Photo-Uncaging of a Microtubule-Targeted Rigidin Analogue in Hypoxic Cancer Cells and in a Xenograft Mouse Model. <i>Journal of the American Chemical Society</i> , 2019, 141, 18444-18454.	6.6	84
5	Porphyrin-grafted cellulose fabric: New photobactericidal material obtained by "Click-Chemistry" reaction. <i>Materials Letters</i> , 2009, 63, 1889-1891.	1.3	81
6	Polyamine conjugates of meso-tritylporphyrin and protoporphyrin IX: Potential agents for photodynamic therapy of cancers. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 1364-1377.	1.4	69
7	Enhanced Photobactericidal and Targeting Properties of a Cationic Porphyrin following the Attachment of Polymyxin B. <i>Bioconjugate Chemistry</i> , 2017, 28, 2493-2506.	1.8	67
8	Synthesis, Spectroscopy, and Photocytotoxicity of Glycosylated Amino Acid Porphyrin Derivatives as Promising Molecules for Cancer Phototherapy. <i>Journal of Organic Chemistry</i> , 1999, 64, 4431-4444.	1.7	65
9	Chlorin-PEI-labeled cellulose nanocrystals: Synthesis, characterization and potential application in PDT. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3648-3652.	1.0	62
10	Synthesis of tetraglucosyl- and tetrapolyamine-tetrabenzoporphyrin conjugates for an application in PDT. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7647-7657.	1.4	60
11	UV and visible light screening by individual sporopollenin exines derived from <i>Lycopodium clavatum</i> (club moss) and <i>Ambrosia trifida</i> (giant ragweed). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 102, 209-217.	1.7	58
12	PEI-cellulose nanocrystal hybrids as efficient siRNA delivery agents—Synthesis, physicochemical characterization and in vitro evaluation. <i>Carbohydrate Polymers</i> , 2017, 164, 258-267.	5.1	58
13	Synthesis and photobiocidal properties of cationic porphyrin-grafted paper. <i>Carbohydrate Polymers</i> , 2013, 91, 333-338.	5.1	57
14	Curcumin-loaded polysaccharides-based complex particles obtained by polyelectrolyte complexation and ionic gelation. I-Particles obtaining and characterization. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 629-642.	3.6	57
15	Porphyrin-functionalized mesoporous organosilica nanoparticles for two-photon imaging of cancer cells and drug delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3681-3684.	2.9	55
16	Tunable Arene Ruthenium Metallaprisms to Transport, Shield, and Release Porphin in Cancer Cells. <i>Organometallics</i> , 2015, 34, 4138-4146.	1.1	52
17	Porous Porphyrin-Based Organosilica Nanoparticles for NIR Two-Photon Photodynamic Therapy and Gene Delivery in Zebrafish. <i>Advanced Functional Materials</i> , 2018, 28, 1800235.	7.8	50
18	Photostability and photobactericidal properties of porphyrin-layered double hydroxide-polyurethane composite films. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2139.	2.9	45

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19	Photodynamic Therapy Activity of New Porphyrin-Xylan-Coated Silica Nanoparticles in Human Colorectal Cancer. <i>Cancers</i> , 2019, 11, 1474.	1.7	45
20	Glycosyl bis-porphyrin conjugates: Synthesis and potential application in PDT. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7745-7760.	1.4	44
21	RGD-Porphyrin Conjugates: Synthesis and Potential Application in Photodynamic Therapy. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1486-1493.	1.2	41
22	Amino porphyrins as photoinhibitors of Gram-positive and -negative bacteria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 4207-4211.	1.0	41
23	Efficient synthesis of RGD-containing cyclic peptide-porphyrin conjugates by ring-closing metathesis on solid support. <i>Tetrahedron Letters</i> , 2004, 45, 5295-5299.	0.7	41
24	Delivery of tanshinone IIA and $\beta$ -mangostin from gold/PEI/cyclodextrin nanoparticle platform designed for prostate cancer chemotherapy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2503-2506.	1.0	41
25	Porphyrin-xylan-coated silica nanoparticles for anticancer photodynamic therapy. <i>Carbohydrate Polymers</i> , 2019, 213, 168-175.	5.1	41
26	Toward Glycosylated Peptidic Porphyrins : a New Strategy for PDT?. <i>Tetrahedron Letters</i> , 1997, 38, 6391-6394.	0.7	38
27	A facile and rapid iodine-catalyzed meso-tetraphenylporphyrin synthesis using microwave activation. <i>Tetrahedron Letters</i> , 2008, 49, 5537-5539.	0.7	37
28	DNA photocleavage by porphyrin-polyamine conjugates. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 767-776.	1.4	37
29	Photodynamic treatment induces cell death by apoptosis or autophagy depending on the melanin content in two B16 melanoma cell lines. <i>Oncology Reports</i> , 2013, 29, 1196-1200.	1.2	34
30	Curcumin-cyclodextrin/cellulose nanocrystals improve the phenotype of Charcot-Marie-Tooth-1A transgenic rats through the reduction of oxidative stress. <i>Free Radical Biology and Medicine</i> , 2020, 161, 246-262.	1.3	34
31	Lysine Analogue of Polymyxin B as a Significant Opportunity for Photodynamic Antimicrobial Chemotherapy. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 11-16.	1.3	32
32	Synthesis and photocytotoxic activity of new chlorin-polyamine conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 3188-3192.	1.0	31
33	Delivery of porphin to cancer cells by organometallic Rh(III) and Ir(III) metalla-cages. <i>Journal of Organometallic Chemistry</i> , 2015, 787, 44-50.	0.8	31
34	Enhancement of photobactericidal activity of chlorin-e6-cellulose nanocrystals by covalent attachment of polymyxin B. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6953-6962.	2.9	31
35	An efficient route to VEGF-like peptide porphyrin conjugates via microwave-assisted "click-chemistry". <i>Tetrahedron</i> , 2009, 65, 7385-7392.	1.0	30
36	Meso-functionalized aminoporphyrins as efficient agents for photo-antibacterial surfaces. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 925-931.	0.4	30

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37	Optimization of the arsenazo-III method for the determination of uranium in water and plant samples. <i>Talanta</i> , 2013, 115, 751-754.	2.9	30
38	An efficient route to dimeric porphyrin-RGD peptide conjugates via olefin metathesis. <i>Tetrahedron</i> , 2008, 64, 364-371.	1.0	29
39	Resistance to 3- $\beta$ -HTMC-Induced Apoptosis Through Activation of PI3K/Akt, MEK/ERK, and p38/COX-2/PGE <sub>2</sub> Pathways in Human HT-29 and HCT116 Colorectal Cancer Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2875-2885.	1.2	29
40	Design and synthesis of water-soluble polyaminated chlorins and bacteriochlorins With near-infrared absorption. <i>Dyes and Pigments</i> , 2013, 98, 609-614.	2.0	28
41	Synthesis and biological evaluation of polyamine-porphyrin conjugates as potential agents in photodynamic therapy (PDT). <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 130-134.	0.4	27
42	Polysaccharides-Based Complex Particles™ Protective Role on the Stability and Bioactivity of Immobilized Curcumin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3075.	1.8	27
43	Analysis of the in vitro and in vivo effects of photodynamic therapy on prostate cancer by using new photosensitizers, protoporphyrin IX-polyamine derivatives. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1676-1690.	1.1	26
44	Efficient Singlet Oxygen Photogeneration by Zinc Porphyrin Dimers upon One- and Two-Photon Excitation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4271-4277.	1.2	26
45	Synthesis of New Glucosylated Porphyrins Bearing an $\beta$ -Linkage. <i>Journal of Carbohydrate Chemistry</i> , 2006, 25, 345-360.	0.4	25
46	Magnetic Dextran Nanoparticles That Bear Hydrophilic Porphyrin Derivatives: Bimodal Agents for Potential Application in Photodynamic Therapy. <i>ChemPlusChem</i> , 2015, 80, 1416-1426.	1.3	24
47	Hydrophilic chlorin-conjugated magnetic nanoparticles™ Potential anticancer agent for the treatment of melanoma by PDT. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 2486-2490.	1.0	23
48	In vitro anticancer activity of new gold(III) porphyrin complexes in colon cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 27-38.	1.5	23
49	Functionalization of phosphocalcic bioceramics for bone repair applications. <i>Materials Science and Engineering C</i> , 2019, 95, 343-354.	3.8	22
50	Synergistic enhancement of tolerance mechanisms in response to photoactivation of cationic tetra (N-methylpyridyl) porphyrins in tomato plantlets. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 156, 69-78.	1.7	21
51	Antibacterial activity of the lichens <i>Usnea Florida</i> and <i>Flavoparmelia caperata</i> (Parmeliaceae). <i>Natural Product Research</i> , 2020, 34, 3358-3362.	1.0	21
52	Synthesis and biological evaluation of chalcone-polyamine conjugates as novel vectorized agents in colorectal and prostate cancer chemotherapy. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113586.	2.6	21
53	Berberis libanotica extract targets NF- $\kappa$ B/COX-2, PI3K/Akt and mitochondrial/caspase signalling to induce human erythroleukemia cell apoptosis. <i>International Journal of Oncology</i> , 2015, 47, 220-230.	1.4	20
54	Synthesis and photobactericidal properties of a neutral porphyrin grafted onto lignocellulosic fibers. <i>Materials Science and Engineering C</i> , 2016, 62, 61-67.	3.8	20

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55	Aqueous extraction of glucuronoxylans from chestnut wood: New strategy for lignin oxidation using phthalocyanine or porphyrin/H <sub>2</sub> O <sub>2</sub> system. <i>Bioresource Technology</i> , 2010, 101, 6538-6544.	4.8	19
56	Chemical Composition and Antioxidant, Anti-Inflammatory, and Antiproliferative Activities of Lebanese Ephedra Campylopoda Plant. <i>Medical Science Monitor Basic Research</i> , 2017, 23, 313-325.	2.6	19
57	Triphenylphosphonium-substituted phthalocyanine: Design, synthetic strategy, photoproperties and photodynamic activity. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 552-561.	0.4	19
58	Encapsulation of a Ru(II) Polypyridyl Complex into Polylactide Nanoparticles for Antimicrobial Photodynamic Therapy. <i>Pharmaceutics</i> , 2020, 12, 961.	2.0	19
59	Photophysical and Bactericidal Properties of Pyridinium and Imidazolium Porphyrins for Photodynamic Antimicrobial Chemotherapy. <i>Molecules</i> , 2021, 26, 1122.	1.7	19
60	Antibacterial activity of a photosensitive hybrid cellulose fabric. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1780-1786.	1.6	18
61	New Phenalenone Derivatives: Synthesis and Evaluation of Their Singlet Oxygen Quantum Yield. <i>ACS Omega</i> , 2020, 5, 28264-28272.	1.6	18
62	Photodynamic effects of porphyrin-polyamine conjugates in human breast cancer and keratinocyte cell lines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 103, 201-206.	1.7	16
63	Photodynamic inactivation of <i>Botrytis cinerea</i> by an anionic porphyrin: an alternative pest management of grapevine. <i>Scientific Reports</i> , 2020, 10, 17438.	1.6	16
64	Porphyrin/Chlorin Derivatives as Promising Molecules for Therapy of Colorectal Cancer. <i>Molecules</i> , 2021, 26, 7268.	1.7	16
65	Uncommon Chlorinated Xanthone and Other Antibacterial Compounds from the Lichen <i>Cladonia incrassata</i> . <i>Planta Medica</i> , 2014, 80, 931-935.	0.7	15
66	Design and multi-step synthesis of chalcone-polyamine conjugates as potent antiproliferative agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4354-4357.	1.0	15
67	Profiling and seasonal variation of chemical constituents from <i>Pseudotsuga menziesii</i> wood. <i>Industrial Crops and Products</i> , 2018, 117, 34-49.	2.5	15
68	Adsorption of fulvic and humic like acids on surfaces of clays: Relation with SUVA index and acidity. <i>Applied Clay Science</i> , 2018, 154, 83-90.	2.6	14
69	Pseudo porphyrinyl amino acids based on 1,3,5-triazine scaffold: new tools for the synthesis of peptidic porphyrins. <i>Tetrahedron Letters</i> , 2011, 52, 2977-2979.	0.7	13
70	An easy one-pot desilylation/copper-free Sonogashira cross-coupling reaction assisted by tetra-butylammonium fluoride (TBAF): synthesis of highly $\beta$ -conjugated porphyrins. <i>Tetrahedron</i> , 2013, 69, 5098-5103.	1.0	13
71	Enhancement of hydrosolubility and in vitro antiproliferative properties of chalcones following encapsulation into $\beta$ -cyclodextrin/cellulose-nanocrystal complexes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1895-1898.	1.0	13
72	High yield preparation of purpurin-18 from <i>Spirulina maxima</i> . <i>Dyes and Pigments</i> , 2011, 88, 125-127.	2.0	12

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73	Enhanced cytotoxicity of gold porphyrin complexes after inclusion in cyclodextrin scaffolds adsorbed on polyethyleneimine-coated gold nanoparticles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1065-1068.	1.0	11
74	<scp>Acetylxylanâ€¢phosphoride</scp>â€¢ nanoparticles designed for <scp>tumorâ€¢targeted</scp> photodynamic therapy. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50799.	1.3	11
75	Xylan-Based Cross-Linked Hydrogel for Photodynamic Antimicrobial Chemotherapy. <i>ACS Applied Bio Materials</i> , 2021, 4, 7204-7212.	2.3	11
76	One-Pot Silver Nanoring Synthesis. <i>Nanoscale Research Letters</i> , 2010, 5, 566-569.	3.1	10
77	Sensing of the uranyl ion based on its complexation with bisphosphonate-capped gold nanoparticles. <i>Materials Letters</i> , 2014, 122, 208-211.	1.3	10
78	The mannose 6-phosphate receptor targeted with porphyrin-based periodic mesoporous organosilica nanoparticles for rhabdomyosarcoma theranostics. <i>Biomaterials Science</i> , 2020, 8, 3678-3684.	2.6	10
79	Development of Phenalenone-Triazolium Salt Derivatives for aPDT: Synthesis and Antibacterial Screening. <i>Antibiotics</i> , 2021, 10, 626.	1.5	10
80	Lichen Polyphenolic Compounds for the Eradication of <i>Candida albicans</i> Biofilms. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 698883.	1.8	10
81	Novel polycarboxylate porphyrins: Synthesis, characterization, photophysical properties and preliminary antimicrobial study against Gram-positive bacteria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 355-362.	1.0	9
82	Design and synthesis of zinc protoporphyrin IX-adamantane/cyclodextrin/cellulose nanocrystals complexes for anticancer photodynamic therapy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 41, 128024.	1.0	9
83	Synthesis and Properties of BODIPY Appended Tetraphenylethylene Scaffolds as Photoactive Arrays. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4136-4143.	1.2	9
84	Responses of an adventitious fastâ€¢growing plant to photodynamic stress: comparative study of anionic and cationic porphyrin effect on <scp><i>Arabidopsis thaliana</i></scp>. <i>Physiologia Plantarum</i> , 2018, 162, 379-390.	2.6	8
85	Modulation of intermolecular interactions in new pyrimidineâ€¢porphyrin system as two-photon absorbing photosensitizers. <i>Tetrahedron</i> , 2015, 71, 2428-2434.	1.0	7
86	Unexpected features of exponentially growing Tobacco Bright Yellow-2 cell suspension culture in relation to excreted extracellular polysaccharides and cell wall composition. <i>Glycoconjugate Journal</i> , 2017, 34, 585-590.	1.4	7
87	Chemical Composition, Antioxidant, Anti-Inflammatory, and Antiproliferative Activities of the Plant Lebanese <i>Crataegus Azarolus</i> L. <i>Medical Science Monitor Basic Research</i> , 2017, 23, 270-284.	2.6	7
88	Plant Photodynamic Stress: What's New?. <i>Frontiers in Plant Science</i> , 2018, 9, 681.	1.7	7
89	Synthesis and Investigation of Flavanone Derivatives as Potential New Anti-Inflammatory Agents. <i>Molecules</i> , 2022, 27, 1781.	1.7	7
90	Synthesis and characterization of xylan-graft-poly(L-lactide). <i>International Journal of Polymer Analysis and Characterization</i> , 2018, 23, 193-206.	0.9	6

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91	Does low hydroxyl group surface density explain less bacterial adhesion on porous alumina?. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2019, 105, 473-477.	0.9	6
92	Advanced protocol to functionalize CaP bioceramic surface with peptide sequences and effect on murine pre-osteoblast cells proliferation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1069-1073.	1.0	4
93	Photodegradation of tebuconazole mediated by a novel hybrid phenalenone based photosensitizer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 408, 113124.	2.0	4
94	Microwave-assisted expeditious O-alkylation of meso-hydroxyphenylporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 888-892.	0.4	3
95	Synthesis and supramolecular arrangement of new stearyl acid-based phenalenone derivatives. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125988.	2.3	3
96	<sc>Cationic</sc> porphyrin@xylan conjugate hydrogels for photodynamic antimicrobial chemotherapy. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	3
97	Exploring the Use of the Suzuki Coupling Reaction in the Synthesis of 4-Alkyl-2-hydroxyacetophenones. <i>Synlett</i> , 2014, 25, 564-568.	1.0	2
98	Crossing the First Threshold: New Insights into the Influence of the Chemical Structure of Anionic Porphyrins on Plant Cell Wall Interactions and Photodynamic Cell Death Induction. <i>Biochemistry</i> , 2019, 58, 2188-2197.	1.2	2
99	Photodynamic therapy activity of new porphyrin-xylan-coated silica nanoparticles in a human colorectal cancer in vivo model. , 2019, , .		2
100	Prebiotic Isomaltooligosaccharide Provides an Advantageous Fitness to the Probiotic <i>Bacillus subtilis</i> CU1. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6404.	1.3	2
101	Regioselective reduction of 5-aryl-10,15,20-tris(pyridyl) porphyrin to 5-aryl-10,15,20-tris(pyridyl)dihydroporphyrin (chlorin). <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 1380-1397.	0.4	1
102	Design and synthesis of triphenylphosphonium-porphyrin@xylan nanoparticles for anticancer photodynamic therapy. <i>Comptes Rendus Chimie</i> , 2021, 24, 127-140.	0.2	1
103	Synthesis and cellular uptake of superparamagnetic dextran-nanoparticles with porphyrinic motifs grafted by esterification. <i>E-Polymers</i> , 2007, 7, .	1.3	0
104	Magnetic Dextran Nanoparticles That Bear Hydrophilic Porphyrin Derivatives: Bimodal Agents for Potential Application in Photodynamic Therapy. <i>ChemPlusChem</i> , 2015, 80, 1367-1367.	1.3	0