

# Kleber Thiago de Oliveira

## List of Publications by Year in descending order

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103  
papers

2,462  
citations

201674

27  
h-index

243625

44  
g-index

108  
all docs

108  
docs citations

108  
times ranked

3263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Porphyrins as Catalysts in Scalable Organic Reactions. <i>Molecules</i> , 2016, 21, 310.	3.8	219
2	Sulfonyl Fluoride Synthesis through Electrochemical Oxidative Coupling of Thiols and Potassium Fluoride. <i>Journal of the American Chemical Society</i> , 2019, 141, 11832-11836.	13.7	148
3	Tetrabenzoporphyrins: synthetic developments and applications. <i>Chemical Society Reviews</i> , 2013, 42, 3302.	38.1	123
4	Sensitive determination of 17 $\beta$ -estradiol in river water using a graphene based electrochemical sensor. <i>Analytica Chimica Acta</i> , 2015, 881, 37-43.	5.4	104
5	Antimicrobial Photodynamic therapy enhanced by the peptide aurein 1.2. <i>Scientific Reports</i> , 2018, 8, 4212.	3.3	74
6	Recent applications of porphyrins as photocatalysts in organic synthesis: batch and continuous flow approaches. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 917-955.	2.2	68
7	Chlorin Photosensitizers Sterically Designed To Prevent Self-Aggregation. <i>Journal of Organic Chemistry</i> , 2011, 76, 8824-8832.	3.2	67
8	Photobiological characteristics of chlorophyll a derivatives as microbial PDT agents. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1137-1145.	2.9	61
9	Antimicrobial Photodynamic Therapy against Endodontic <i>Enterococcus faecalis</i> and <i>Candida albicans</i> Mono and Mixed Biofilms in the Presence of Photosensitizers: A Comparative Study with Classical Endodontic Irrigants. <i>Frontiers in Microbiology</i> , 2017, 8, 498.	3.5	59
10	Electrochemical Aziridination of Internal Alkenes with Primary Amines. <i>CheM</i> , 2021, 7, 255-266.	11.7	54
11	Porphyrins as Photoredox Catalysts in Csp <sup>2</sup> C-H Arylations: Batch and Continuous Flow Approaches. <i>Journal of Organic Chemistry</i> , 2018, 83, 15077-15086.	3.2	51
12	Chlorins: Natural Sources, Synthetic Developments and Main Applications. <i>Current Organic Synthesis</i> , 2014, 11, 42-58.	1.3	50
13	Impact of continuous flow chemistry in the synthesis of natural products and active pharmaceutical ingredients. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 1131-1174.	0.8	46
14	Synthesis of new amphiphilic chlorin derivatives from protoporphyrin-IX dimethyl ester. <i>Tetrahedron</i> , 2008, 64, 8709-8715.	1.9	43
15	Susceptibility of <i>Enterococcus faecalis</i> and <i>Propionibacterium acnes</i> to antimicrobial photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 545-550.	3.8	40
16	Phthalocyanine-loaded nanostructured lipid carriers functionalized with folic acid for photodynamic therapy. <i>Materials Science and Engineering C</i> , 2020, 108, 110462.	7.3	39
17	Combining batch and continuous flow setups in the end-to-end synthesis of naturally occurring curcuminoids. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 366-374.	3.7	38
18	Synthesis of Phthalocyanines <sup>2+</sup> ALA Conjugates: Water-Soluble Compounds with Low Aggregation. <i>Journal of Organic Chemistry</i> , 2009, 74, 7962-7965.	3.2	37

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19	Continuous Endoperoxidation of Conjugated Dienes and Subsequent Rearrangements Leading to C <sup>α</sup> H Oxidized Synthons. <i>Journal of Organic Chemistry</i> , 2018, 83, 7574-7585.	3.2	37
20	The Synthesis of Seven-Membered Rings in Natural Products. <i>Studies in Natural Products Chemistry</i> , 2014, , 421-463.	1.8	36
21	Chemical Transformations of Mono- and Bis(buta-1,3-dienyl)porphyrins: A New Synthetic Approach to Mono- and Dibenzo-porphyrins. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 704-712.	2.4	35
22	Photophysical properties and photodynamic activity of a novel menthol-zinc phthalocyanine conjugate incorporated in micelles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 253, 22-29.	3.9	34
23	Photoarylation of Pyridines Using Aryldiazonium Salts and Visible Light: An EDA Approach. <i>Journal of Organic Chemistry</i> , 2019, 84, 10459-10471.	3.2	32
24	Synthesis of New Chlorin- <i>a</i> Trimethyl and Protoporphyrin-IX Dimethyl Ester Derivatives and Their Photophysical and Electrochemical Characterizations. <i>Chemistry - A European Journal</i> , 2014, 20, 13644-13655.	3.3	30
25	Core Structure of Eremophilanes and Bakkanes through Niobium Catalyzed Diels-Alder Reaction: Synthesis of (±)-Bakkenolide A. <i>Journal of Organic Chemistry</i> , 2006, 71, 9880-9883.	3.2	28
26	Real-time mechanistic monitoring of an acetal hydrolysis using ultrafast 2D NMR. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 496-501.	1.9	28
27	Chemical Transformations and Photophysical Properties of <i>meso</i> -Tetrathienyl-Substituted Porphyrin Derivatives. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4536-4547.	2.4	28
28	Exploiting photooxygenations mediated by porphyrinoid photocatalysts under continuous flow conditions. <i>RSC Advances</i> , 2016, 6, 12717-12725.	3.6	28
29	Photodynamic inactivation mediated by methylene blue or chlorin <i>e6</i> against <i>Streptococcus mutans</i> biofilm. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101817.	2.6	28
30	Aromaticity and Homoaromaticity in Methano[10]annulenes. <i>Journal of Organic Chemistry</i> , 2007, 72, 76-85.	3.2	27
31	Unsymmetrical 1,5-diaryl-3-oxo-1,4-pentadienyls and their evaluation as antiparasitic agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1121-1127.	3.0	26
32	Synthesis of functionalized chlorins sterically-prevented from self-aggregation. <i>Dyes and Pigments</i> , 2013, 99, 402-411.	3.7	25
33	Linker for Activation of T-cell Family Member 2 (LAT2) a Lipid Raft Adaptor Protein for AKT Signaling, Is an Early Mediator of Alkylphospholipid Anti-leukemic Activity. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1898-1912.	3.8	24
34	New Columnar Zn-Phthalocyanine Designed for Electronic Applications. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13554-13560.	2.6	23
35	Synthesis and photophysical studies of a chlorin sterically designed to prevent self-aggregation. <i>Dyes and Pigments</i> , 2013, 98, 153-159.	3.7	23
36	Photolarvicidal effect of curcuminoids from <i>Curcuma longa</i> Linn. against <i>Aedes aegypti</i> larvae. <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 151-158.	0.9	23

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37	Validation of Photodynamic Action via Photobleaching of a New Curcumin-Based Composite with Enhanced Water Solubility. <i>Journal of Fluorescence</i> , 2014, 24, 1407-1413.	2.5	21
38	Curcumin in formulations against <i>Aedes aegypti</i> : Mode of action, photolarvicidal and ovicidal activity. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101840.	2.6	21
39	Luminescent Langmuir-Blodgett film of a new amphiphilic Eu <sup>3+</sup> $\beta$ -diketonate. <i>Journal of Luminescence</i> , 2008, 128, 1339-1347.	3.1	20
40	Exploiting novel process windows for the synthesis of meso-substituted porphyrins under continuous flow conditions. <i>RSC Advances</i> , 2015, 5, 84350-84355.	3.6	20
41	A high efficiency ruthenium(II) tris-heteroleptic dye containing 4,7-dicarbazole-1,10-phenanthroline for nanocrystalline solar cells. <i>RSC Advances</i> , 2016, 6, 46487-46494.	3.6	19
42	Chlorin derivatives sterically-prevented from self-aggregation with high antitumor activity for photodynamic therapy. <i>Dyes and Pigments</i> , 2017, 145, 518-527.	3.7	18
43	Antimicrobial photodynamic therapy against metronidazole-resistant dental plaque bacteria. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 209, 111903.	3.8	18
44	Semi-synthesis and PDT activities of a new amphiphilic chlorin derivative. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 17, 39-47.	2.6	17
45	Tandem reduction + cyclization of ortho-substituted cinnamic esters. <i>Tetrahedron Letters</i> , 2011, 52, 5371-5374.	1.4	16
46	New porphyrins tailored as biodiesel fluorescent markers. <i>Dyes and Pigments</i> , 2011, 91, 383-388.	3.7	16
47	The Diels-Alder reactions of para-benzoquinone nitrogen-derivatives: an experimental and theoretical study. <i>Tetrahedron</i> , 2014, 70, 6963-6973.	1.9	16
48	Electron-Donor-Acceptor Complex-Enabled Flow Methodology for the Hydrotrifluoromethylation of Unsaturated $\beta$ -Keto Esters. <i>Organic Letters</i> , 2020, 22, 8598-8602.	4.6	16
49	Photophysical, photooxidation, and biomolecule-interaction of meso-tetra(thienyl)porphyrins containing peripheral Pt(II) and Pd(II) complexes. Insights for photodynamic therapy applications. <i>Dalton Transactions</i> , 2022, 51, 1646-1657.	3.3	16
50	Amphiphilic cerium(III) $\beta$ -diketonate as a catalyst for reducing diesel/biodiesel soot emissions. <i>Applied Catalysis A: General</i> , 2009, 360, 210-217.	4.3	15
51	Curcumin/d-mannitol as photolarvicide: induced delay in larval development time, changes in sex ratio and reduced longevity of <i>Aedes aegypti</i> . <i>Pest Management Science</i> , 2021, 77, 2530-2538.	3.4	15
52	Photodynamic and peptide-based strategy to inhibit Gram-positive bacterial biofilm formation. <i>Biofouling</i> , 2019, 35, 742-757.	2.2	14
53	Photochemical $\alpha$ -Aminonitrile Synthesis Using Zn-Phthalocyanines as Near-Infrared Photocatalysts. <i>Journal of Organic Chemistry</i> , 2022, 87, 5630-5642.	3.2	14
54	Detailed <sup>1</sup> H and <sup>13</sup> C NMR structural assignment and relative stereochemistry determination for three closely related sesquiterpene lactones. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 576-581.	1.9	13

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55	Synthesis of non-aggregating chlorins and isobacteriochlorins from meso-tetrakis(pentafluorophenyl)porphyrin: a study using 1,3-dipolar cycloadditions under mild conditions. <i>Tetrahedron Letters</i> , 2014, 55, 1491-1495.	1.4	13
56	Extração e purificação de clorofila a, da alga <i>Spirulina maxima</i> : um experimento para os cursos de Química. <i>Química Nova</i> , 2009, 32, 1670-1672.	0.3	12
57	Synthesis and photophysical evaluations of $\hat{I}^2$ -fused uracil-porphyrin derivatives. <i>Tetrahedron</i> , 2013, 69, 9986-9993.	1.9	12
58	A practical deca-gram scale ring expansion of (R)-( $\hat{\alpha}$ )-carvone to (R)-(+)-3-methyl-6-isopropenyl-cyclohept-3-enone-1. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7633-7642.	2.8	12
59	Process Intensification for Obtaining a Cannabidiol Intermediate by Photo-oxygenation of Limonene under Continuous-Flow Conditions. <i>Organic Process Research and Development</i> , 2020, 24, 2017-2024.	2.7	12
60	Synergetic antimicrobial effect of chlorin e6 and hydrogen peroxide on multi-species biofilms. <i>Biofouling</i> , 2021, 37, 656-665.	2.2	12
61	Improved photodynamic activity of a dual phthalocyanine-ALA photosensitizer. <i>New Journal of Chemistry</i> , 2016, 40, 9666-9671.	2.8	11
62	NIR bacteriochlorin chromophores accessed by Heck and Sonogashira cross-coupling reactions on a tetrabromobacteriochlorin derivative. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1402-1412.	2.8	11
63	Influence of light intensity and irradiation mode on methylene blue, chlorin-e6 and curcumin-mediated photodynamic therapy against <i>Enterococcus faecalis</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101925.	2.6	11
64	Photodynamic therapy with a new bacteriochlorin derivative: Characterization and in vitro studies. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102251.	2.6	11
65	Solvent-free Diels-Alder reactions catalyzed by FeCl <sub>3</sub> on Aerosil® silica. <i>Tetrahedron</i> , 2014, 70, 3231-3238.	1.9	10
66	Direct C-H photoarylation of diazines using aryldiazonium salts and visible-light. <i>RSC Advances</i> , 2020, 10, 31115-31122.	3.6	10
67	Photodynamic inactivation using a chlorin-based photosensitizer with blue or red-light irradiation against single-species biofilms related to periodontitis. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101916.	2.6	10
68	Oxidative Potential of Some Endophytic Fungi Using 1-Indanone as a Substrate. <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 832-837.	2.1	10
69	Synthesis of an Octa-tert-butylphthalocyanine: A Low-Aggregating and Photochemically Stable Photosensitizer. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5028-5031.	2.4	9
70	Inhibiting Charge Recombination in <i>cis</i> -Ru(NCS) <sub>2</sub> Diimine Sensitizers with Aromatic Substituents. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43223-43234.	8.0	9
71	Remarkable Electronic Effect on the meso-Tetra(thienyl)porphyrins. <i>Inorganic Chemistry</i> , 2019, 58, 1030-1039.	4.0	9
72	Design, synthesis and photobiological activity of novel ruthenium phthalocyanine complexes. <i>Inorganic Chemistry Communication</i> , 2019, 99, 60-63.	3.9	9

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73	Environmental safety and mode of action of a novel curcumin-based photolarvicide. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29204-29217.	5.3	9
74	Understanding the photophysical properties of rhenium( $\text{I}$ ) compounds coordinated to 4,7-diamine-1,10-phenanthroline: synthetic, luminescence and biological studies. <i>Dalton Transactions</i> , 2020, 49, 16154-16165.	3.3	9
75	Multicomponent reactions mediated by $\text{NbCl}_5$ for the synthesis of phthalonitrile-quinoline dyads: Methodology, scope, mechanistic insights and applications in phthalocyanine synthesis. <i>Dyes and Pigments</i> , 2018, 151, 391-402.	3.7	8
76	Formulations of curcumin and d-mannitol as a photolarvicide against <i>Aedes aegypti</i> larvae: Sublethal photolarvicidal action, toxicity, residual evaluation, and small-scale field trial. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 38, 102740.	2.6	8
77	A synthetic approach to bicyclo[6.2.1]undecane ring systems. <i>Tetrahedron Letters</i> , 2003, 44, 2641-2643.	1.4	7
78	Analysis of a cycloheptenone derivative: An experimental and theoretical approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 63, 709-713.	3.9	7
79	The New Directions of Organic Synthesis. <i>Current Organic Synthesis</i> , 2015, 12, 496-522.	1.3	7
80	Basic Concepts and Applications of Porphyrins, Chlorins and Phthalocyanines as Photosensitizers in Photonic Therapies. <i>Revista Virtual De Quimica</i> , 2015, 7, .	0.4	7
81	Antileishmanial activity of amphiphilic chlorin derivatives mediated by photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101769.	2.6	6
82	Cytotoxicity of structurally-modified chlorins aimed for photodynamic therapy applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113647.	3.9	6
83	Direct Synthesis of $\alpha$ -Sulfenylated Ketones under Electrochemical Conditions. <i>Journal of Organic Chemistry</i> , 2022, 87, 5856-5865.	3.2	6
84	Revisiting the stability of endo/exo Diels-Alder adducts between cyclopentadiene and 1,4-benzoquinone. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 112-118.	0.6	5
85	Co-Deposition of Gold Nanoparticles and Metalloporphyrin Using the Langmuir-Blodgett (LB) Technique for Surface-Enhanced Raman Scattering (SERS). <i>Applied Spectroscopy</i> , 2015, 69, 451-456.	2.2	5
86	Ion-exchange resin as a new tool for characterisation of coordination compounds and MOFs by NMR spectroscopy. <i>Chemical Communications</i> , 2019, 55, 8106-8109.	4.1	5
87	Soluble and Non-Aggregated Phthalocyanines: Synthesis, Mechanistic Aspects and Their Main Building Blocks. <i>Current Organic Synthesis</i> , 2018, 14, .	1.3	5
88	One-pot sequential functionalizations of meso-tetrathienylporphyrins via Heck-Mizoroki cross-coupling reactions. <i>Tetrahedron Letters</i> , 2016, 57, 3016-3020.	1.4	4
89	Synthesis of multi-substituted pyridines from ylidenemalononitriles and their emission properties. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1991-1999.	2.8	3
90	Improved Synthesis of Bioactive Molecules Through Flow Chemistry. <i>Topics in Medicinal Chemistry</i> , 2021, , 317-371.	0.8	3

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91	Investigation on the in vitro anti-Trichophyton activity of photosensitizers. Photochemical and Photobiological Sciences, 2022, 21, 1185-1192.	2.9	3
92	Analysis of the <sup>1</sup> H and <sup>13</sup> C NMR spectra of bicyclo[6.2.1]undecane ring systems. Magnetic Resonance in Chemistry, 2003, 41, 726-728.	1.9	2
93	Selective Vilsmeier-Haack aryl-formylations of tetrathienylporphyrin and its Ni(II) complex. Journal of Porphyrins and Phthalocyanines, 2015, 19, 745-752.	0.8	2
94	Phototoxicity in a laryngeal cancer cell line enhanced by a targeting amphiphilic chlorin photosensitizer. Photodiagnosis and Photodynamic Therapy, 2017, 19, 355-362.	2.6	2
95	Increasing Scope of Clickable Fluorophores: Electrophilic Substitution of Ylidenemalononitriles. Journal of Organic Chemistry, 2020, 85, 11822-11834.	3.2	2
96	Unequivocal structural assignments of three cycloheptenoid intermediates for guaiane sesquiterpenes: an experimental and theoretical approach. Magnetic Resonance in Chemistry, 2014, 52, 318-328.	1.9	1
97	Synthesis of the bicyclo[6.2.1]undecane ring system by a solvent-free Diels-Alder reaction. Tetrahedron Letters, 2014, 55, 679-681.	1.4	1
98	Synthetic chlorin derivative self-prevented from aggregation: Behavior in homogeneous medium for PDT applications. Journal of Molecular Liquids, 2020, 320, 114363.	4.9	1
99	Essential Oils as Raw Materials in the Synthesis of Anticancer Drugs. , 2015, , 81-109.		1
100	Photodynamic inactivation of Staphylococcus aureus and Escherichia coli using a new bacteriochlorin as photosensitizer. , 2018, , .		1
101	Synthesis of a Naphthalocyanine-Like Dye: The First Report on Zn(II)-1,6-methano[10]annulenecyanine. Molecules, 2020, 25, 2164.	3.8	0
102	Synthesis of meso-N-Phenylmaleimide-porphyrins. , 0, , .		0
103	Synthesis and photophysical studies of a chlorin sterically designed to prevent self-aggregation. , 0, , .		0