

# Jean Cadet

## List of Publications by Year in descending order

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736  
papers

36,708  
citations

2962

96  
h-index

7234

158  
g-index

778  
all docs

778  
docs citations

778  
times ranked

24346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Self-Aggregation of Chlorophyll <i>a</i> Derivatives Possessing a Hydroxymethyl Group in the C20-Substituent with Ethynylene and/or Phenylene Linkers. <i>Photochemistry and Photobiology</i> , 2023, 99, 35-44.	1.3	1
2	Effect of the Fabrication Method of Chlorophyll <i>a</i> -Based Photocatalysts on Noble Metal-Free Hydrogen Evolution. <i>Energy Technology</i> , 2022, 10, 2100713.	1.8	5
3	Charged groups on pyropheophorbide-based photosensitizers dictate uptake by tumor cells and photodynamic therapy efficacy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 227, 112375.	1.7	5
4	Chlorophyll derivative intercalation into Nb <sub>2</sub> C MXene for lithium-ion energy storage. <i>Journal of Materials Science</i> , 2022, 57, 9971-9979.	1.7	10
5	Excited-state dynamics of dipyrrolyldiketone difluoroboron complexes. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1685-1691.	1.3	0
6	Substituted Methylation at the 13 <sup>2</sup> -Position of a Chlorophyll <i>a</i> Derivative via Mixed Aldol Condensation, Optical Properties of the Synthetic Bacteriochlorophyll <i>d</i> Analogs, and Self-Aggregation of Their Zinc Complexes. <i>Photochemistry and Photobiology</i> , 2022, 98, 1059-1067.	1.3	1
7	Quasi-Bilayer All-Small-Molecule Solar Cells Based on a Chlorophyll Derivative and Non-Fullerene Materials with Untraditional Energy Alignments. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4807-4814.	1.5	2
8	Incomplete Hydrogenation by Geranylgeranyl Reductase from a Proteobacterial Phototroph <i>Halorhodospira halochloris</i> , Resulting in the Production of Bacteriochlorophyll with a Tetrahydrogeranylgeranyl Tail. <i>Journal of Bacteriology</i> , 2022, 204, jb0060521.	1.0	4
9	DNA Damage. , 2022, , 1-6.		0
10	Impact of Mono- and Di- <sup>2</sup> -Galactose Moieties in in vitro / in vivo Anticancer Efficacy of Pyropheophorbide-Carbohydrate Conjugates by Photodynamic Therapy. <i>European Journal of Medicinal Chemistry Reports</i> , 2022, , 100047.	0.6	0
11	Hydroxyl radical is predominantly involved in oxidatively generated base damage to cellular DNA exposed to ionizing radiation. <i>International Journal of Radiation Biology</i> , 2022, 98, 1684-1690.	1.0	6
12	Multi-Modal Imaging to Assess the Follicular Delivery of Zinc Pyrithione. <i>Pharmaceutics</i> , 2022, 14, 1076.	2.0	6
13	Self-Assembly of a Zinc Bacteriochlorophyll <i>d</i> Analog with a Lipophilic Tertiary Amide Group in the 17-Substituent. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 1083-1085.	2.0	2
14	Degradation of Lignin by Infrared Free Electron Laser. <i>Polymers</i> , 2022, 14, 2401.	2.0	3
15	Intramolecular axial <sup>2</sup> -coordination of the 13 <sup>2</sup> -terminal pyridyl group to the central zinc atom in chlorophyll <i>a</i> derivatives. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 6339-6350.	1.5	1
16	Tumor cell-specific retention of photosensitizers determines the outcome of photodynamic therapy for head and neck cancer. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 234, 112513.	1.7	5
17	The modulating effect of dermal epidermal crosstalk on the repair efficiency of cyclobutane pyrimidine dimers in keratinocytes. <i>British Journal of Dermatology</i> , 2021, 184, 9-10.	1.4	0
18	Seasonal Differences in the UVA/UVB Ratio of Natural Sunlight Influence the Efficiency of the Photoisomerization of (6 <sup>4</sup> ) Photoproducts into their Dewar Valence Isomers. <i>Photochemistry and Photobiology</i> , 2021, 97, 582-588.	1.3	3

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19	“Where there is a will, there is a way” Journal of Photochemistry and Photobiology A: Chemistry, 2021, 406, 112988.	2.0	1
20	Synthesis of Chl@Ti <sub>3</sub> C <sub>2</sub> composites as an anode material for lithium storage. Frontiers of Chemical Science and Engineering, 2021, 15, 709-716.	2.3	10
21	DNA repair   DNA Oxidation. , 2021, , 236-243.		0
22	Synthesis, Tumor Specificity, and Photosensitizing Efficacy of Erlotinib-Conjugated Chlorins and Bacteriochlorins: Identification of a Highly Effective Candidate for Photodynamic Therapy of Cancer. Journal of Medicinal Chemistry, 2021, 64, 741-767.	2.9	20
23	Application of mid-infrared free-electron laser for structural analysis of biological materials. Journal of Synchrotron Radiation, 2021, 28, 28-35.	1.0	5
24	Ozone-Induced DNA Damage: A Pandora’s Box of Oxidatively Modified DNA Bases. Chemical Research in Toxicology, 2021, 34, 80-90.	1.7	15
25	Chlorophyll Derivative-Sensitized TiO <sub>2</sub> Electron Transport Layer for Record Efficiency of Cs <sub>2</sub> AgBiBr <sub>6</sub> Double Perovskite Solar Cells. Journal of the American Chemical Society, 2021, 143, 2207-2211.	6.6	154
26	Chlorophyll-Based Organic Heterojunction on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Nanosheets for Efficient Hydrogen Production. Chemistry - A European Journal, 2021, 27, 5277-5282.	1.7	25
27	Chiral Alkyl Groups at Position 3 (1 <sup>st</sup> ) of Pyropheophorbide-a Specify Uptake and Retention by Tumor Cells and Are Essential for Effective Photodynamic Therapy. Journal of Medicinal Chemistry, 2021, 64, 4787-4809.	2.9	11
28	Synthesis of Highly Fluorescent Cationic Chlorophyll-a Derivatives Possessing a p-Aminopyridinio Group at the 31-Position. Bulletin of the Chemical Society of Japan, 2021, 94, 1201-1203.	2.0	4
29	Detection of 132-carboxy-chlorin produced by the in vitro BciC enzymatic hydrolysis of zinc chlorophyllide. Bioorganic and Medicinal Chemistry Letters, 2021, 40, 127931.	1.0	2
30	Synthesis of 20-Deuterated Bacteriochlorophyll-a Homolog and Its 3 <sup>1</sup> -Epimerically Controlled Self-aggregation. Chemistry Letters, 2021, 50, 1539-1542.	0.7	2
31	Supramolecular Nanofibers Constructed by Hydrogen Bonding of Chlorophyll Dimer. Chemistry Letters, 2021, 50, 999-1001.	0.7	1
32	Editorial (2021, Issue 3). Photochemistry and Photobiology, 2021, 97, 463-463.	1.3	1
33	3 <sup>1</sup> -Substituent-dependent Self-aggregation of Bacteriochlorophyll-a Analogs in Aqueous Micelles. Chemistry Letters, 2021, 50, 1551-1554.	0.7	3
34	Photosensitization Reactions of Biomolecules: Definition, Targets and Mechanisms. Photochemistry and Photobiology, 2021, 97, 1456-1483.	1.3	76
35	Self-aggregation of Synthetic 20-O-Substituted Bacteriochlorophyll-a Analogs. Chemistry Letters, 2021, 50, 1416-1418.	0.7	3
36	Hydroquinone redox mediator enhances the photovoltaic performances of chlorophyll-based bio-inspired solar cells. Communications Chemistry, 2021, 4, .	2.0	10

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37	Targeted Delivery of Zinc Pyrithione to Skin Epithelia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9730.	1.8	15
38	Self-aggregation of synthetic zinc 3-hydroxymethyl-chlorophyll- <i>a</i> derivatives possessing electron-withdrawing groups at the 20-position in aqueous micelle solution. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 1104-1110.	0.4	2
39	Exciton delocalization length in chlorosomes investigated by lineshape dynamics of two-dimensional electronic spectra. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24111-24117.	1.3	4
40	Charge Generation and Transfer Mechanism of Bilayer Organic Photovoltaics with Unconventional Energy Alignment. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25680-25686.	1.5	7
41	Interstrand Crosslinking Involving Guanine: A New Major UVC Laser-Induced Biphotonic Oxidatively Generated DNA Damage. <i>Photochemistry and Photobiology</i> , 2021, , .	1.3	1
42	Evaluation of covalently linked (bacterio)chlorin-fullerenes as components for organic solar cells. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 200-210.	0.4	4
43	Sterically controlled and pH-dependent self-aggregation of synthetic zinc 3-(alkylamino)methylated chlorophyll- <i>a</i> derivatives in aqueous micellar solution. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 685-692.	0.4	1
44	Synthesis of chlorophyll- <i>a</i> homologs by C132-substitutions and their physico- and biochemical properties. <i>Bioorganic Chemistry</i> , 2020, 94, 103383.	2.0	5
45	Wavelength- and Tissue- dependent Variations in the Mutagenicity of Cyclobutane Pyrimidine Dimers in Mouse Skin. <i>Photochemistry and Photobiology</i> , 2020, 96, 94-104.	1.3	14
46	Thermo-Plasmonic Trapping of Living Cyanobacteria on a Gold Nanopyramidal Dimer Array: Implications for Plasmonic Biochips. <i>ACS Applied Nano Materials</i> , 2020, 3, 10067-10072.	2.4	10
47	In vitro C132-dealkoxycarbonylations of zinc chlorophyll <i>a</i> derivatives including C132-substitutes by a BciC enzyme. <i>Bioorganic Chemistry</i> , 2020, 102, 104111.	2.0	4
48	In Vitro Hydrolysis of Zinc Chlorophyllide <i>a</i> Homologues by a BciC Enzyme. <i>Biochemistry</i> , 2020, 59, 4622-4626.	1.2	5
49	In situ formation of photoactive B-ring reduced chlorophyll isomer in photosynthetic protein LH2. <i>Scientific Reports</i> , 2020, 10, 19383.	1.6	8
50	Synthesis of Fluorinated Chlorophylls <i>a</i> and Their Bio/Physico-Chemical Properties. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5537-5543.	1.2	8
51	Editorial. <i>Photochemistry and Photobiology</i> , 2020, 96, 217-217.	1.3	0
52	Charge-Transfer Mechanism in Chlorophyll Derivative-based Biosolar Cells with Hole-Transporting P3HT Revealed by Sub-Picosecond Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27900-27906.	1.5	1
53	Site-selective C20-fluorinations of chlorophyll- <i>a</i> derivatives using N-fluorobenzenesulfonimide and their optical properties. <i>Tetrahedron</i> , 2020, 76, 131722.	1.0	0
54	Synthesis of Cationic Pyridinium-Chlorin Conjugates with Various Counter Anions and Effects of the Anions on Their Photophysical Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 467-476.	2.0	6

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55	Growth model of chlorosome antenna by the environment-dependent stepwise assembly of a zinc chlorophyll derivative. <i>Photosynthesis Research</i> , 2020, 145, 129-134.	1.6	2
56	Harmless Effects of Sterilizing 222-nm far-UV Radiation on Mouse Skin and Eye Tissues. <i>Photochemistry and Photobiology</i> , 2020, 96, 949-950.	1.3	35
57	Chlorophyllide a oxidoreductase Preferentially Catalyzes 8-vinyl Reduction over B-Ring Reduction of 8-vinyl Chlorophyllide a in the Late Steps of Bacteriochlorophyll Biosynthesis. <i>ChemBioChem</i> , 2020, 21, 1760-1766.	1.3	2
58	Photosensitized biphotonic chemistry of pyrimidine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2227-2232.	1.5	1
59	A Synthetic Chlorophyll Dimer Appending Fullerene: Effect of Chlorophyll Pairing on (Photo)redox Properties. <i>Chemistry - A European Journal</i> , 2020, 26, 8897-8906.	1.7	3
60	Synthesis of Sedimentary Porphyrin-like Chlorophyll- <i>a</i> Derivatives Lacking the 3-Substituent. <i>Chemistry Letters</i> , 2020, 49, 287-289.	0.7	2
61	Editorial. <i>Photochemistry and Photobiology</i> , 2020, 96, 3-3.	1.3	0
62	Chlorosome-Like Molecular Aggregation of Chlorophyll Derivative on Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Nanosheets for Efficient Noble Metal-Free Photocatalytic Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902080.	1.9	49
63	Photoactivated Supramolecular Assembly Using Caged Chlorophylls for the Generation of Nanotubular Self-Aggregates Having Controllable Lengths. <i>ACS Applied Nano Materials</i> , 2020, 3, 1841-1847.	2.4	12
64	Photoactive Zn-Chlorophyll Hole Transporter-Sensitized Lead-Free Cs <sub>2</sub> AgBiBr <sub>6</sub> Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000166.	3.1	58
65	Enhanced reactivity of the pyrimidine peroxy radical towards the C-H bond in duplex DNA – a theoretical study. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3536-3543.	1.5	4
66	Semisynthetic Chlorophyll Derivatives Toward Solar Energy Applications. <i>Solar Rrl</i> , 2020, 4, 2000162.	3.1	43
67	Bi-Catalyzed C13 2-Demethoxycarbonylation of Metal Pheophorbide... a Alkyl Esters. <i>ChemBioChem</i> , 2020, 21, 1473-1480.	1.3	6
68	Intramolecular interaction of synthetic chlorophyll heterodyads with different $\pi$ -skeletons. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 332-340.	1.6	5
69	Disposition and measured toxicity of zinc oxide nanoparticles and zinc ions against keratinocytes in cell culture and viable human epidermis. <i>Nanotoxicology</i> , 2020, 14, 263-274.	1.6	32
70	Zinc 7,8-Dihydroxylated Chlorophyll- <i>a</i> Derivative as a Synthetic Model of Natural Bacteriochlorophyll- <i>a</i> . <i>Chemistry Letters</i> , 2020, 49, 1403-1405.	0.7	0
71	Synthesis of Cationic Pyridinium-(Bacterio)Chlorophyll Conjugates Bearing a Bacteriochlorin, Chlorin, or Porphyrin $\pi$ -Skeleton and their Photophysical and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6333-6340.	1.2	7
72	Bi-layer chlorophyll derivatives as efficient hole-transporting layers for perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2357-2362.	3.2	16

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73	Organic Solar Cells Based on the Aggregate of Synthetic Chlorophyll Derivative with over 5% Efficiency. <i>Solar Rrl</i> , 2019, 3, 1900203.	3.1	13
74	Palladium-Catalyzed Acylation of Terminal Alkynes toward 3-Ynone-Linked Chlorophyll- <i>a</i> Derivatives and Their Optical Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 16116-16123.	1.7	2
75	Charge transfer dynamics in chlorophyll-based biosolar cells. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22563-22568.	1.3	6
76	Supramolecular Complex of Chlorophyll- <i>a</i> Derivative with <i>N</i> -Protected Histidine through Two-point Binding. <i>Chemistry Letters</i> , 2019, 48, 982-984.	0.7	2
77	Multiparameter toxicity screening on a chip: Effects of UV radiation and titanium dioxide nanoparticles on HaCaT cells. <i>Biomicrofluidics</i> , 2019, 13, 044112.	1.2	3
78	(5 <i>R</i> )- and (5 <i>S</i> )-purine 5,8-cyclo-2'-deoxyribonucleosides: reality or artifactual measurements? A reply to Chatgillialglu's comments (this issue). <i>Free Radical Research</i> , 2019, 53, 1014-1018.	1.5	3
79	Bioinspired supramolecular nanosheets of zinc chlorophyll assemblies. <i>Scientific Reports</i> , 2019, 9, 14006.	1.6	15
80	Heterodimers of zinc and free-base chlorophyll derivatives co-assembled in biomimetic chlorosomal J-aggregates. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 555-562.	1.6	8
81	55th Anniversary Issue of Photochemistry and Photobiology. <i>Photochemistry and Photobiology</i> , 2019, 95, 6-7.	1.3	0
82	Unusual features in the photosynthetic machinery of <i>Halorhodospira halochloris</i> DSM 1059 revealed by complete genome sequencing. <i>Photosynthesis Research</i> , 2019, 140, 311-319.	1.6	12
83	Singlet Molecular Oxygen Reactions with Nucleic Acids, Lipids, and Proteins. <i>Chemical Reviews</i> , 2019, 119, 2043-2086.	23.0	404
84	Optical Characterization of Zinc Pyrithione. <i>Photochemistry and Photobiology</i> , 2019, 95, 1142-1150.	1.3	6
85	Tuberous sclerosis complex exhibits a new renal cystogenic mechanism. <i>Physiological Reports</i> , 2019, 7, e13983.	0.7	23
86	Stereoselective C3-substituent modification and substrate channeling by oxidoreductase BchC in bacteriochlorophyll <i>a</i> biosynthesis. <i>FEBS Letters</i> , 2019, 593, 799-809.	1.3	4
87	Editorial. <i>Photochemistry and Photobiology</i> , 2019, 95, 5-5.	1.3	0
88	Radiation-induced (5 <i>R</i> )- and (5 <i>S</i> )-purine 5,8-cyclo-2'-deoxyribonucleosides in human cells: a revisited analysis of HPLC-MS/MS measurements. <i>Free Radical Research</i> , 2019, 53, 574-577.	1.5	10
89	Taming chlorophylls by early eukaryotes underpinned algal interactions and the diversification of the eukaryotes on the oxygenated Earth. <i>ISME Journal</i> , 2019, 13, 1899-1910.	4.4	10
90	In vitro demethoxycarbonylation of various chlorophyll analogs by a BciC enzyme. <i>Photosynthesis Research</i> , 2019, 139, 163-171.	1.6	7

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91	Syntheses of Chalcone-Type Chlorophyll Derivatives Possessing a Bacteriochlorin, Chlorin or Porphyrin System and Their Optical Properties. <i>Photochemistry and Photobiology</i> , 2019, 95, 755-761.	1.3	3
92	Photo-Modification of Melanin by a Mid-Infrared Free-Electron Laser. <i>Photochemistry and Photobiology</i> , 2019, 95, 946-950.	1.3	4
93	Trilayer Chlorophyll-Based Cascade Biosolar Cells. <i>ACS Energy Letters</i> , 2019, 4, 384-389.	8.8	32
94	Understanding the importance of low-molecular weight (ethylene oxide and propylene oxide-induced) DNA adducts and mutations in risk assessment: Insights from 15 years of research and collaborative discussions. <i>Environmental and Molecular Mutagenesis</i> , 2019, 60, 100-121.	0.9	19
95	Phototriggered Dynamic and Biomimetic Growth of Chlorosomal Self-Aggregates. <i>Journal of the American Chemical Society</i> , 2019, 141, 1207-1211.	6.6	27
96	Cell-Specific Retention and Action of Pheophorbide-based Photosensitizers in Human Lung Cancer Cells. <i>Photochemistry and Photobiology</i> , 2019, 95, 846-859.	1.3	10
97	Biphotonic Ionization of DNA: From Model Studies to Cell. <i>Photochemistry and Photobiology</i> , 2019, 95, 59-72.	1.3	22
98	Ultrafast excited state dynamics of nonfluorescent cyclophorbide-a enol, a catabolite of chlorophyll-a detoxified in algae-feeding aquatic microbes. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 64-70.	1.6	5
99	DNA Damage. , 2019, , 1-6.		0
100	<i>In vitro</i> and <i>In vivo</i> Synthesis of Bacteriochlorophyll Absorbing Near-Infrared Light. <i>Series on Chemistry, Energy and the Environment</i> , 2019, , 1-17.	0.3	1
101	Quantitative analysis of UV photolesions suggests that cyclobutane pyrimidine dimers produced in mouse skin by UVB are more mutagenic than those produced by UVC. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 404-413.	1.6	20
102	Self-Assemblies of Zinc Bacteriochlorophyll Analogues Having Amide, Ester, and Urea Groups as Substituents at 17-Position and Observation of Lamellar Supramolecular Nanostructures. <i>ChemPhysChem</i> , 2018, 19, 913-920.	1.0	13
103	Synthesis of chlorophyll-a derivatives possessing the 3-(2-acylothenyl) group by cross-aldol condensation and their optical properties. <i>Tetrahedron</i> , 2018, 74, 2703-2715.	1.0	10
104	Formation of UV-induced DNA damage contributing to skin cancer development. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1816-1841.	1.6	276
105	Cyclic Triad of Chlorophyll-a Derivative and Its Folded Conformer. <i>Chemistry Letters</i> , 2018, 47, 326-328.	0.7	2
106	Editorial (2018, Issue 1). <i>Photochemistry and Photobiology</i> , 2018, 94, 3-3.	1.3	0
107	Synthesis and Self-Aggregation of Expanded Chlorophyll Derivatives to Construct Light-Harvesting Antenna Models. <i>Journal of Organic Chemistry</i> , 2018, 83, 4355-4364.	1.7	14
108	Semi-synthesis and HPLC analysis of (bacterio)chlorophyllides possessing a propionic acid residue at the C17-position. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 423-436.	0.4	14

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109	In vivo and in vitro preparation of divinyl-132,173-cyclophosphoride-a enol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1090-1092.	1.0	5
110	In vitro enzymatic assays of photosynthetic bacterial 3-vinyl hydratases for bacteriochlorophyll biosyntheses. <i>Photosynthesis Research</i> , 2018, 135, 319-328.	1.6	9
111	Effects of Cyclic Tetrapyrrole Rings of Aggregate-Forming Chlorophyll Derivatives as Hole-Transporting Materials on Performance of Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 9-16.	2.5	27
112	In vivo Energy Transfer from Bacteriochlorophyll <i>a</i> , <i>b</i> , <i>c</i> , <i>d</i> , <i>e</i> , or <i>f</i> to Bacteriochlorophyll <i>a</i> in Wild Type and Mutant Cells of the Green Sulfur Bacterium <i>Chlorobaculum limnaeum</i> . <i>ChemPhotoChem</i> , 2018, 2, 190-195.	1.5	23
113	Composition-dependent sol-gel transition of amphiphilic blend of PEG with hydrophobic gallamide components. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45402.	1.3	1
114	Self-aggregation of synthetic zinc methyl 20-substituted 3-hydroxymethyl-pyropheophorbides as models of bacteriochlorophyll- <i>c</i> . <i>Photosynthesis Research</i> , 2018, 135, 309-317.	1.6	5
115	Carcinogenesis: Role of Reactive Oxygen and Nitrogen Species. , 2018, , 296-296.		0
116	Regioisomeric synthesis of chlorin- <i>e6</i> dimethyl esters and their optical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 1039-1046.	0.4	2
117	The Primary Formation of a Cationic C10-Pyridinio-Chlorophyll <i>a</i> Derivative by Chemical/Electrochemical Oxidation and the Physico-Chemical Properties of Regioisomeric <i>meso</i> -Adducts. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1724-1730.	2.0	3
118	Bilayer Chlorophyll-Based Biosolar Cells Inspired from the Z-Scheme Process of Oxygenic Photosynthesis. <i>ACS Energy Letters</i> , 2018, 3, 1708-1712.	8.8	46
119	Chemexcitation and Its Implications for Disease. <i>Trends in Molecular Medicine</i> , 2018, 24, 527-541.	3.5	21
120	Editorial. <i>Photochemistry and Photobiology</i> , 2018, 94, 623-623.	1.3	0
121	Dyad Sensitizer of Chlorophyll with Indoline Dye for Panchromatic Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2018, 1, 2813-2820.	2.5	51
122	Biosynthesis of unnatural glycolipids possessing diyne moiety in the acyl chain in the green sulfur photosynthetic bacterium <i>Chlorobaculum tepidum</i> grown by supplementation of 10,12-heptadecadiynic acid. <i>Biochemistry and Biophysics Reports</i> , 2017, 9, 42-46.	0.7	2
123	Formation and repair of oxidatively generated damage in cellular DNA. <i>Free Radical Biology and Medicine</i> , 2017, 107, 13-34.	1.3	240
124	Type I and Type II Photosensitized Oxidation Reactions: Guidelines and Mechanistic Pathways. <i>Photochemistry and Photobiology</i> , 2017, 93, 912-919.	1.3	552
125	Coordination-Driven Dimerization of Zinc Chlorophyll Derivatives Possessing a Dialkylamino Group. <i>Chemistry - an Asian Journal</i> , 2017, 12, 759-767.	1.7	19
126	Supramolecular Organogelation of Bacteriochlorophyll <i>c</i> Possessing an Isobutyl Substituent at the 8-Position in Carbon Tetrachloride. <i>ChemPlusChem</i> , 2017, 82, 595-597.	1.3	2



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127	Editorial (2017, issue 3). Photochemistry and Photobiology, 2017, 93, 639-639.	1.3	0
128	Dendrimer pre-treatment enhances the skin permeation of chlorhexidine digluconate: Characterisation by in vitro percutaneous absorption studies and Time-of-Flight Secondary Ion Mass Spectrometry. European Journal of Pharmaceutical Sciences, 2017, 104, 90-101.	1.9	18
129	Introduction. Photochemistry and Photobiology, 2017, 93, 5-6.	1.3	1
130	Editorial. Photochemistry and Photobiology, 2017, 93, 3-3.	1.3	1
131	Oxidative DNA damage & repair: An introduction. Free Radical Biology and Medicine, 2017, 107, 2-12.	1.3	218
132	Stress-induced dynamic regulation of mitochondrial STAT3 and its association with cyclophilin D reduce mitochondrial ROS production. Science Signaling, 2017, 10, .	1.6	87
133	Biochemical characterization of rhamnosyltransferase involved in biosynthesis of pectic rhamnogalacturonan I in plant cell wall. Biochemical and Biophysical Research Communications, 2017, 486, 130-136.	1.0	13
134	Chromatin associated mechanisms in base excision repair - nucleosome remodeling and DNA transcription, two key players. Free Radical Biology and Medicine, 2017, 107, 159-169.	1.3	24
135	Insight in <sc>DNA</sc> Repair of <sc>UV</sc>-induced Pyrimidine Dimers by Chromatographic Methods. Photochemistry and Photobiology, 2017, 93, 207-215.	1.3	25
136	Preparation of regio- and stereoisomeric di- and tetrahydrogeranylgeraniols and identification of esterifying groups in natural (bacterio)chlorophylls. Bioorganic and Medicinal Chemistry, 2017, 25, 6361-6370.	1.4	5
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