

James La Clair

List of Publications by Year in descending order

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86
papers

2,175
citations

218677

26
h-index

254184

43
g-index

90
all docs

90
docs citations

90
times ranked

3188
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-component assembly of stabilized fluorescent isoindoles. RSC Advances, 2022, 12, 6947-6950.	3.6	3
2	Modulation of RNA splicing associated with Wnt signaling pathway using FD-895 and pladienolide B. Aging, 2022, 14, 2081-2100.	3.1	3
3	Chemoenzymatic Isolation and Characterization of High Purity Mammalian Melanin. ChemBioChem, 2022, 23, e202200021.	2.6	0
4	Preclinical Development of Seriniquinones as Selective Dermcidin Modulators for the Treatment of Melanoma. Marine Drugs, 2022, 20, 301.	4.6	2
5	Traceless Staudinger ligation enabled parallel synthesis of proteolysis targeting chimera linker variants. Chemical Communications, 2021, 57, 1026-1029.	4.1	17
6	A two-step resin based approach to reveal survivin-selective fluorescent probes. RSC Chemical Biology, 2021, 2, 181-186.	4.1	3
7	Plant-based CO ₂ drawdown and storage as SiC. RSC Advances, 2021, 11, 15512-15518.	3.6	4
8	Structural basis for differential recognition of phosphohistidine-containing peptides by 1-pHis and 3-pHis monoclonal antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
9	Synthase-Selective Exploration of a Tunicate Microbiome by Activity-Guided Single-Cell Genomics. ACS Chemical Biology, 2021, 16, 813-819.	3.4	4
10	Lessons in Organic Fluorescent Probe Discovery. ChemBioChem, 2021, 22, 3109-3139.	2.6	31
11	Unraveling the Role of Linker Design in Proteolysis Targeting Chimeras. Journal of Medicinal Chemistry, 2021, 64, 8042-8052.	6.4	87
12	Deregulation of Splicing in Pediatric Acute Myeloid Stem and Progenitor Cells. Blood, 2021, 138, 2227-2227.	1.4	0
13	ADAR1 Splicing Modulation As a Mechanism to Eradicate Immunologically Silent Leukemia Stem Cells. Blood, 2021, 138, 3321-3321.	1.4	0
14	Accessing Nystatin through Mariculture. Molecules, 2021, 26, 7649.	3.8	2
15	Seriniquinones as Therapeutic Leads for Treatment of BRAF and NRAS Mutant Melanomas. Molecules, 2021, 26, 7362.	3.8	4
16	Searching for Small Molecules with an Atomic Sort. Angewandte Chemie, 2020, 132, 1160-1164.	2.0	1
17	Searching for Small Molecules with an Atomic Sort. Angewandte Chemie - International Edition, 2020, 59, 1144-1148.	13.8	4
18	Chemoenzymatic elaboration of the Raperâ€™Mason pathway unravels the structural diversity within eumelanin pigments. Chemical Science, 2020, 11, 7836-7841.	7.4	17

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19	A fluorescent target-guided Paal-Knorr reaction. <i>RSC Advances</i> , 2020, 10, 37035-37039.	3.6	4
20	Bioinspired Chemoenzymatic Route to Artificial Melanin for Hair Pigmentation. <i>Chemistry of Materials</i> , 2020, 32, 9201-9210.	6.7	20
21	Exploring the benefits of nanotechnology for cancer drugs in different stages of the drug development pipeline. <i>Nanomedicine</i> , 2020, 15, 2539-2542.	3.3	14
22	Splice Modulation Synergizes Cell Cycle Inhibition. <i>ACS Chemical Biology</i> , 2020, 15, 669-674.	3.4	3
23	Gating mechanism of elongating $\hat{1}^2$ -ketoacyl-ACP synthases. <i>Nature Communications</i> , 2020, 11, 1727.	12.8	44
24	Structural Basis of Acyl-Carrier Protein Interactions in Fatty Acid and Polyketide Biosynthesis. , 2020, , 61-122.		14
25	Scalable Synthesis of 17S-FD-895 Expands the Structural Understanding of Splice Modulatory Activity. <i>Cell Reports Physical Science</i> , 2020, 1, 100277.	5.6	6
26	Bifunctional Substrate Activation via an Arginine Residue Drives Catalysis in Chalcone Isomerases. <i>ACS Catalysis</i> , 2019, 9, 8388-8396.	11.2	11
27	Advance of Seriniquinone Analogues as Melanoma Agents. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 186-190.	2.8	14
28	Charting the Complexity of the Marine Microbiome through Single-Cell Genomics. <i>Cell</i> , 2019, 179, 1623-1635.e11.	28.9	158
29	Tailoring chemoenzymatic oxidation via in situ peracids. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9418-9424.	2.8	9
30	Encoding matter with regiospecific ¹² C/ ¹³ C isotopic labels. <i>Chemical Communications</i> , 2018, 54, 2611-2614.	4.1	7
31	Daedal Facets of Splice Modulator Optimization. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1070-1072.	2.8	2
32	Trapping the Complex Molecular Machinery of Polyketide and Fatty Acid Synthases with Tunable Silylcyanohydrin Crosslinkers. <i>Angewandte Chemie</i> , 2018, 130, 17255-17259.	2.0	3
33	Trapping the Complex Molecular Machinery of Polyketide and Fatty Acid Synthases with Tunable Silylcyanohydrin Crosslinkers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17009-17013.	13.8	12
34	Metabolic and Biosynthetic Diversity in Marine Myxobacteria. <i>Marine Drugs</i> , 2018, 16, 314.	4.6	30
35	Future Directions of Marine Myxobacterial Natural Product Discovery Inferred from Metagenomics. <i>Marine Drugs</i> , 2018, 16, 303.	4.6	21
36	Ritterostatin G _N ¹ _N , a Cephalostatin-Ritterazine Bis-steroidal Pyrazine Hybrid, Selectively Targets GRP78. <i>ChemBioChem</i> , 2017, 18, 506-510.	2.6	21

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37	Polyketide mimetics yield structural and mechanistic insights into product template domain function in nonreducing polyketide synthases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4142-E4148.	7.1	18
38	Das Spliceosom als Angriffspunkt für Pharmaka. <i>Angewandte Chemie</i> , 2017, 129, 12218-12230.	2.0	0
39	A Challenging Pie to Splice: Drugging the Spliceosome. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12052-12063.	13.8	32
40	Irreversible Protein Labeling by Paal-Knorr Conjugation. <i>ChemBioChem</i> , 2017, 18, 1792-1796.	2.6	11
41	Covalent modification of biological targets with natural products through Paal-Knorr pyrrole formation. <i>Natural Product Reports</i> , 2017, 34, 1051-1060.	10.3	44
42	Fluorescent Mechanism-Based Probe for Aerobic Flavin-Dependent Enzyme Activity. <i>ChemBioChem</i> , 2016, 17, 1598-1601.	2.6	10
43	Color-Coded Super-Resolution Small-Molecule Imaging. <i>ChemBioChem</i> , 2016, 17, 999-1003.	2.6	5
44	A Carbohydrate-Derived Splice Modulator. <i>Journal of the American Chemical Society</i> , 2016, 138, 5063-5068.	13.7	10
45	Selectivity in Small Molecule Splicing Modulation. <i>ACS Chemical Biology</i> , 2016, 11, 2716-2723.	3.4	19
46	RNA Splicing Modulation Selectively Impairs Leukemia Stem Cell Maintenance in Secondary Human AML. <i>Cell Stem Cell</i> , 2016, 19, 599-612.	11.1	97
47	Single dish gradient screening of small molecule localization. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8241-8245.	2.8	6
48	An unusual intramolecular trans-amidation. <i>Tetrahedron</i> , 2016, 72, 3605-3608.	1.9	4
49	Harvesting the biosynthetic machineries that cultivate a variety of indispensable plant natural products. <i>Current Opinion in Chemical Biology</i> , 2016, 31, 66-73.	6.1	18
50	Trapping of the Enoyl-Acyl Carrier Protein Reductase-Acyl Carrier Protein Interaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 3962-3965.	13.7	23
51	The Hybrid Pyrroloisoindolone-Dehydropyrrolizine Alkaloid (â)â-Chlorizidine...A Targets Proteins within the Glycolytic Pathway. <i>ChemBioChem</i> , 2015, 16, 2002-2006.	2.6	15
52	Inhibitors of the AAA+ Chaperone p97. <i>Molecules</i> , 2015, 20, 3027-3049.	3.8	83
53	Functional chromatographic technique for natural product isolation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2255-2259.	2.8	10
54	Fluorescent kapakahines serve as non-toxic probes for live cell Golgi imaging. <i>Life Sciences</i> , 2015, 136, 163-167.	4.3	12

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55	Targeting the spliceosome in chronic lymphocytic leukemia with the macrolides FD-895 and pladienolide-B. <i>Haematologica</i> , 2015, 100, 945-954.	3.5	73
56	RNA Splicing Modulation Impairs Acute Myeloid Leukemia Stem Cell Maintenance. <i>Blood</i> , 2015, 126, 567-567.	1.4	1
57	In Situ Natural Product Discovery via an Artificial Marine Sponge. <i>PLoS ONE</i> , 2014, 9, e100474.	2.5	8
58	Functional Chromatography Reveals Three Natural Products that Target the Same Protein with Distinct Mechanisms of Action. <i>ChemBioChem</i> , 2014, 15, 2125-2131.	2.6	21
59	Identification of Pyrroloformamide as a Cytokinesis Modulator. <i>ChemBioChem</i> , 2014, 15, 501-506.	2.6	12
60	Napyradiomycins CNQ525.510B and A80915C target the Hsp90 paralogue Grp94. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 418-423.	2.8	11
61	Seriniquinone, a selective anticancer agent, induces cell death by autophagocytosis, targeting the cancer-protective protein dermcidin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14687-14692.	7.1	50
62	Stabilized Cyclopropane Analogs of the Splicing Inhibitor FD-895. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6576-6582.	6.4	28
63	Spirohexenolide A Targets Human Macrophage Migration Inhibitory Factor (hMIF). <i>Journal of Natural Products</i> , 2013, 76, 817-823.	3.0	16
64	A Cyclopropane-Derived Stable Analog Of Fd-895 Induces Apoptosis and Inhibition Of mRNA Splicing In Lymphoma and Chronic Lymphocytic Leukemia: A Novel Therapeutic Approach. <i>Blood</i> , 2013, 122, 2884-2884.	1.4	0
65	Structure of FD-895 Revealed through Total Synthesis. <i>Organic Letters</i> , 2012, 14, 5396-5399.	4.6	43
66	Synthesis and Evaluation of a Fluorescent Ritterazine-Cephalostatin Hybrid. <i>Organic Letters</i> , 2011, 13, 5334-5337.	4.6	20
67	Ganodone, a Bioactive Benzofuran from the Fruiting Bodies of <i>Ganoderma tsugae</i> . <i>Journal of Natural Products</i> , 2011, 74, 2045-2051.	3.0	48
68	Isolation of the $\hat{1}^2$ -galactosphingolipid coniferoside using a tumor cell proteome reverse affinity protocol. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6645-6653.	3.0	6
69	Aplysqualenol...A Binds to the Light Chain of Dynein Type...1 (DYNLL1). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8134-8138.	13.8	11
70	An Optimized Immunoaffinity Fluorescent Method for Natural Product Target Elucidation. <i>Journal of Natural Products</i> , 2010, 73, 1659-1666.	3.0	29
71	Natural product mode of action (MOA) studies: a link between natural and synthetic worlds. <i>Natural Product Reports</i> , 2010, 27, 969.	10.3	41
72	Ammosamides...A and B Target Myosin. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 728-732.	13.8	99

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73	Marinopyrrole A Target Elucidation by Acyl Dye Transfer. <i>Journal of the American Chemical Society</i> , 2009, 131, 12094-12096.	13.7	106
74	Affinity Analyses on Moldable Optical Polycarbonate. <i>ChemBioChem</i> , 2008, 9, 201-205.	2.6	3
75	Metabolite Induction of <i>Caenorhabditis elegans</i> Dauer Larvae Arises via Transport in the Pharynx. <i>ACS Chemical Biology</i> , 2008, 3, 294-304.	3.4	23
76	Identification of the Binding of Scepterin to MreB via a Bidirectional Affinity Protocol. <i>Journal of the American Chemical Society</i> , 2008, 130, 7256-7258.	13.7	44
77	A synthetic entry to pladienolide B and FD-895. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5159-5164.	2.2	39
78	Geometry in digital molecular arrays. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3052.	2.8	13
79	Phorboxazole Analogues Induce Association of cdk4 with Extranuclear Cytokeratin Intermediate Filaments. <i>Journal of the American Chemical Society</i> , 2006, 128, 3858-3859.	13.7	36
80	Cellular routines in the synthesis of cyclic peptide probes. <i>Tetrahedron</i> , 2006, 62, 5347-5354.	1.9	0
81	A Central Strategy for Converting Natural Products into Fluorescent Probes. <i>ChemBioChem</i> , 2006, 7, 409-416.	2.6	72
82	Total Syntheses of Hexacyclinol, 5-epi-Hexacyclinol, and Desoxohexacyclinol Unveil an Antimalarial Prodrug Motif. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2769-2773.	13.8	41
83	In Vivo Reporter Labeling of Proteins via Metabolic Delivery of Coenzyme A Analogues. <i>Journal of the American Chemical Society</i> , 2005, 127, 11234-11235.	13.7	98
84	Manipulation of Carrier Proteins in Antibiotic Biosynthesis. <i>Chemistry and Biology</i> , 2004, 11, 195-201.	6.0	138
85	Modular Synthesis of Pantetheine and Phosphopantetheine. <i>Organic Letters</i> , 2004, 6, 4801-4803.	4.6	34
86	Cyberpills. <i>ChemBioChem</i> , 2001, 2, 465-468.	2.6	1