

Iwao Ojima

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,635
citations

361388

20
h-index

330122

37
g-index

37
all docs

37
docs citations

37
times ranked

2754
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatty Acid-binding Proteins (FABPs) Are Intracellular Carriers for δ^9 -Tetrahydrocannabinol (THC) and Cannabidiol (CBD). <i>Journal of Biological Chemistry</i> , 2015, 290, 8711-8721.	3.4	228
2	Exploration of Fluorine Chemistry at the Multidisciplinary Interface of Chemistry and Biology. <i>Journal of Organic Chemistry</i> , 2013, 78, 6358-6383.	3.2	165
3	Taxane anticancer agents: a patent perspective. <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 1-20.	5.0	162
4	Identification of a New Class of Antifungals Targeting the Synthesis of Fungal Sphingolipids. <i>MBio</i> , 2015, 6, e00647.	4.1	124
5	Inhibition of Fatty Acid Binding Proteins Elevates Brain Anandamide Levels and Produces Analgesia. <i>PLoS ONE</i> , 2014, 9, e94200.	2.5	105
6	Poly(2-oxazoline) based micelles with high capacity for 3rd generation taxoids: Preparation, in vitro and in vivo evaluation. <i>Journal of Controlled Release</i> , 2015, 208, 67-75.	9.9	87
7	Recent advances in the discovery and development of antibacterial agents targeting the cell-division protein FtsZ. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6354-6369.	3.0	71
8	SAR Studies on Trisubstituted Benzimidazoles as Inhibitors of <i>Mtb</i> FtsZ for the Development of Novel Antitubercular Agents. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9756-9770.	6.4	67
9	Drug discovery targeting cell division proteins, microtubules and FtsZ. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5060-5077.	3.0	65
10	Recent progress in the strategic incorporation of fluorine into medicinally active compounds. <i>Journal of Fluorine Chemistry</i> , 2019, 217, 29-40.	1.7	61
11	Acylhydrazones as Antifungal Agents Targeting the Synthesis of Fungal Sphingolipids. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	58
12	Design, synthesis and evaluation of novel 2,5,6-trisubstituted benzimidazoles targeting FtsZ as antitubercular agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2602-2612.	3.0	46
13	Quest for Efficacious Next-Generation Taxoid Anticancer Agents and Their Tumor-Targeted Delivery. <i>Journal of Natural Products</i> , 2018, 81, 703-721.	3.0	40
14	Targeting the Hemopexin-like Domain of Latent Matrix Metalloproteinase-9 (proMMP-9) with a Small Molecule Inhibitor Prevents the Formation of Focal Adhesion Junctions. <i>ACS Chemical Biology</i> , 2017, 12, 2788-2803.	3.4	32
15	SAR studies on truxillic acid mono esters as a new class of antinociceptive agents targeting fatty acid binding proteins. <i>European Journal of Medicinal Chemistry</i> , 2018, 154, 233-252.	5.5	31
16	Benzimidazole-based antibacterial agents against <i>Francisella tularensis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3318-3326.	3.0	30
17	Design, Synthesis, and Biological Evaluations of Asymmetric Bow-Tie PAMAM Dendrimer-Based Conjugates for Tumor-Targeted Drug Delivery. <i>ACS Omega</i> , 2018, 3, 3717-3736.	3.5	29
18	Fluorine-containing taxoid anticancer agents and their tumor-targeted drug delivery. <i>Journal of Fluorine Chemistry</i> , 2013, 152, 157-165.	1.7	28

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19	Design, synthesis and application of fluorine-labeled taxoids as ¹⁹ F NMR probes for the metabolic stability assessment of tumor-targeted drug delivery systems. <i>Journal of Fluorine Chemistry</i> , 2015, 171, 148-161.	1.7	26
20	Design, synthesis and biological evaluation of a highly-potent and cancer cell selective folate- α -taxoid conjugate. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2187-2194.	3.0	22
21	SAR Studies on Aromatic Acylhydrazone-Based Inhibitors of Fungal Sphingolipid Synthesis as Next-Generation Antifungal Agents. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8249-8273.	6.4	20
22	Taxol Analogues Exhibit Differential Effects on Photoaffinity Labeling of β -Tubulin and the Multidrug Resistance Associated P-Glycoprotein. <i>Journal of Natural Products</i> , 2018, 81, 600-606.	3.0	17
23	Synthesis of Colchicinoids and Allocolchicinoids through Rh(I)-Catalyzed [2+2+2+1] and [2+2+2] Cycloadditions of <i>o</i> -Phenylenetriynes with and without CO. <i>Journal of Organic Chemistry</i> , 2018, 83, 11623-11644.	3.2	14
24	Computer-aided identification, synthesis, and biological evaluation of novel inhibitors for botulinum neurotoxin serotype A. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5489-5495.	3.0	13
25	Structure and inhibition of <i>Cryptococcus neoformans</i> sterylglucosidase to develop antifungal agents. <i>Nature Communications</i> , 2021, 12, 5885.	12.8	13
26	Contribution of diacylglycerol lipase β to pain after surgery. <i>Journal of Pain Research</i> , 2018, Volume 11, 473-482.	2.0	11
27	Substituents at the C3 α and C3 β N positions are critical for taxanes to overcome acquired resistance of cancer cells to paclitaxel. <i>Toxicology and Applied Pharmacology</i> , 2018, 347, 79-91.	2.8	10
28	Synthesis of a Next-Generation Taxoid by Rapid Methylation Amenable for ¹¹ C-Labeling. <i>Journal of Organic Chemistry</i> , 2018, 83, 2847-2857.	3.2	9
29	Design, synthesis and SAR study of 3rd-generation taxoids bearing 3-CH ₃ , 3-CF ₃ O and 3-CHF ₂ O groups at the C2-benzoate position. <i>Bioorganic Chemistry</i> , 2020, 95, 103523.	4.1	9
30	A novel taxane, difluorovinyl-ortataxel, effectively overcomes paclitaxel-resistance in breast cancer cells. <i>Cancer Letters</i> , 2020, 491, 36-49.	7.2	9
31	Incarvillateine produces antinociceptive and motor suppressive effects via adenosine receptor activation. <i>PLoS ONE</i> , 2019, 14, e0218619.	2.5	6
32	Structure-activity relationship studies on 2,5,6-trisubstituted benzimidazoles targeting <i>Mtb</i> -FtsZ as antitubercular agents. <i>RSC Medicinal Chemistry</i> , 2021, 12, 78-94.	3.9	6
33	Design, synthesis and SAR study of Fluorine-containing 3rd-generation taxoids. <i>Bioorganic Chemistry</i> , 2022, 119, 105578.	4.1	6
34	Pd-catalyzed asymmetric allylic amination with BOP ligands and its applications to the synthesis of fused polycyclic alkaloids. <i>Tetrahedron Letters</i> , 2015, 56, 3288-3292.	1.4	5
35	Identification of a novel fatty acid binding protein-5-CB ₂ receptor-dependent mechanism regulating anxiety behaviors in the prefrontal cortex. <i>Cerebral Cortex</i> , 2023, 33, 2470-2484.	2.9	4
36	Computational design and synthesis of novel fluoro-analogs of combretastatins A-4 and A-1. <i>Journal of Fluorine Chemistry</i> , 2017, 203, 193-199.	1.7	3

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37	Potent antitumor activity of novel taxoids in anaplastic thyroid cancer. <i>Endocrine</i> , 2022, 75, 465-477.	2.3	3