Mar Martin-Fontecha

List of Publications by Year
in descending order

44 papers	2,239 citations	304743 22 h-index	243625 44 g-index
47 all docs	47 docs citations	47 times ranked	3819 citing authors

#	Article	IF	Citations
1	Mitochondrial CB1 receptors regulate neuronal energy metabolism. Nature Neuroscience, 2012, 15, 558-564.	14.8	450
2	Regulatory T cells and immune regulation of allergic diseases: roles of IL-10 and TGF-Î². Genes and Immunity, 2014, 15, 511-520.	4.1	264
3	Mechanisms of immune regulation in allergic diseases: the role of regulatory T and B cells. Immunological Reviews, 2017, 278, 219-236.	6.0	234
4	Serotonin 5-HT₆ Receptor Antagonists for the Treatment of Cognitive Deficiency in Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2014, 57, 7160-7181.	6.4	142
5	Activation of the sympathetic nervous system mediates hypophagic and anxiety-like effects of CB ₁ receptor blockade. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4786-4791.	7.1	115
6	Targeting the Assembly of Bacterial Cell Division Protein FtsZ with Small Molecules. ACS Chemical Biology, 2012, 7, 269-277.	3.4	107
7	Monoacylglycerol lipase (MAGL) as a promising therapeutic target. Biochemical Pharmacology, 2018, 157, 18-32.	4.4	77
8	Benzimidazole Derivatives as New Serotonin 5-HT₆ Receptor Antagonists. Molecular Mechanisms of Receptor Inactivation. Journal of Medicinal Chemistry, 2010, 53, 1357-1369.	6.4	61
9	Auranofin efficacy against MDRStreptococcus pneumoniaeandStaphylococcus aureusinfections. Journal of Antimicrobial Chemotherapy, 2015, 70, 2608-2617.	3.0	60
10	Synthetic Inhibitors of Bacterial Cell Division Targeting the GTP-Binding Site of FtsZ. ACS Chemical Biology, 2013, 8, 2072-2083.	3.4	52
11	Chemical Probes for the Recognition of Cannabinoid Receptors in Native Systems. Angewandte Chemie - International Edition, 2012, 51, 6896-6899.	13.8	37
12	New Serotonin 5-HT_{1A} Receptor Agonists with Neuroprotective Effect against Ischemic Cell Damage. Journal of Medicinal Chemistry, 2011, 54, 7986-7999.	6.4	36
13	A new serotonin 5-HT6 receptor antagonist with procognitive activity â€“ Importance of a halogen bond interaction to stabilize the binding. Scientific Reports, 2017, 7, 41293.	3.3	36
14	The structural assembly switch of cell division protein FtsZ probed with fluorescent allosteric inhibitors. Chemical Science, 2017, 8, 1525-1534.	7.4	33
15	Deregulation of the endocannabinoid system and therapeutic potential of ABHD6 blockade in the cuprizone model of demyelination. Biochemical Pharmacology, 2018, 157, 189-201.	4.4	33
16	SmI₂-Mediated 3-exo-trig Cyclization of Î²,Î³-Unsaturated Carbonyl Compounds: Diastereoselective Synthesis of Cyclopropanols. Organic Letters, 2010, 12, 4082-4085.	4.6	29
17	Altered fatty acid metabolism and reduced stearoylâ€coenzyme a desaturase activity in asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 1744-1752.	5.7	29
18	A Potent Isoprenylcysteine Carboxylmethyltransferase (ICMT) Inhibitor Improves Survival in Ras-Driven Acute Myeloid Leukemia. Journal of Medicinal Chemistry, 2019, 62, 6035-6046.	6.4	29

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19	New Serotonin 5-HT_{1A} Receptor Agonists Endowed with Antinociceptive Activity in Vivo. Journal of Medicinal Chemistry, 2013, 56, 7851-7861.	6.4	27
20	A Fluorescent Probe to Unravel Functional Features of Cannabinoid Receptor CB₁ in Human Blood and Tonsil Immune System Cells. Bioconjugate Chemistry, 2018, 29, 382-389.	3.6	26
21	Development of Fluorescent Ligands for the Human 5-HT_{1A} Receptor. ACS Medicinal Chemistry Letters, 2010, 1, 249-253.	2.8	25
22	Effective GTP-Replacing FtsZ Inhibitors and Antibacterial Mechanism of Action. ACS Chemical Biology, 2015, 10, 834-843.	3.4	25
23	Cannabinoids induce functional Tregs by promoting tolerogenic DCs via autophagy and metabolic reprograming. Mucosal Immunology, 2022, 15, 96-108.	6.0	25
24	Development of Endocannabinoid-Based Chemical Probes for the Study of Cannabinoid Receptors. Journal of Medicinal Chemistry, 2011, 54, 5265-5269.	6.4	24
25	Unique pharmacological properties of serotoninergic G-protein coupled receptors from cestodes. PLoS Neglected Tropical Diseases, 2018, 12, e0006267.	3.0	24
26	Development of a Fluorescent Bodipy Probe for Visualization of the Serotonin 5-HT_{1A} Receptor in Native Cells of the Immune System. Bioconjugate Chemistry, 2018, 29, 2021-2027.	3.6	21
27	The expression of cannabinoid receptor 1 is significantly increased in atopic patients. Journal of Allergy and Clinical Immunology, 2014, 133, 926-929.e2.	2.9	20
28	New Inhibitors of Angiogenesis with Antitumor Activity in Vivo. Journal of Medicinal Chemistry, 2015, 58, 3757-3766.	6.4	18
29	Novel Photoreactions of 2-Aza-1,4-dienes in the Triplet Excited State and via Radical-Cation Intermediates. 2-Aza-di-Ï€-methane Rearrangements Yielding Cyclopropylimines andN-Vinylaziridines. Journal of Organic Chemistry, 2003, 68, 6661-6671.	3.2	17
30	Isoprenylcysteine Carboxylmethyltransferase-Based Therapy for Hutchinsonâ€“Gilford Progeria Syndrome. ACS Central Science, 2021, 7, 1300-1310.	11.3	16
31	Influence of Electron-Donor Sensitizers on SET-Promoted Photochemical Reactions of Î²,Î³-Unsaturated Aldehydes. Organic Letters, 2004, 6, 2261-2264.	4.6	15
32	Novel Oxa-di-Ï€-methane and Norrish Type I Reactions in the S2(Ï€,Ï€*) Excited State of a Series of Î²,Î³-Unsaturated Ketones. Organic Letters, 2005, 7, 2687-2690.	4.6	15
33	The Extracellular Entrance Provides Selectivity to Serotonin 5-HT₇ Receptor Antagonists with Antidepressant-like Behavior in Vivo. Journal of Medicinal Chemistry, 2014, 57, 6879-6884.	6.4	15
34	Chemoproteomic Approach to Explore the Target Profile of GPCR ligands: Application to 5â€HT_{1A} and 5â€HT₆ Receptors. Chemistry - A European Journal, 2016, 22, 1313-1321.	3.3	15
35	Development of a Nucleotide Exchange Inhibitor That Impairs Ras Oncogenic Signaling. Chemistry - A European Journal, 2017, 23, 1676-1685.	3.3	13
36	Di-Ï€-methane Reactions Promoted by SET from Electron-Donor Sensitizers. Journal of the American Chemical Society, 2001, 123, 9920-9921.	13.7	11

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37	Targeting the FtsZ Allosteric Binding Site with a Novel Fluorescence Polarization Screen, Cytological and Structural Approaches for Antibacterial Discovery. Journal of Medicinal Chemistry, 2021, 64, 5730-5745.	6.4	11
38	The cannabinoid WIN55212â€2 restores rhinovirusâ€induced epithelial barrier disruption. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1900-1902.	5.7	10
39	Synthesis of Enantioenriched Secondary and Tertiary Alcohols via Tricarbonylchromium(0) Complexes of Benzyl Allyl Ethers. European Journal of Organic Chemistry, 2009, 2009, 1606-1611.	2.4	9
40	Photochemical Reactivity of 1-Substituted-1-aza-1,4-dienes Promoted by Electron-Acceptor Sensitizers. Di-Ï€-methane Rearrangements and Alternative Reactions via Radical-Cation Intermediates. Journal of Organic Chemistry, 2002, 67, 9397-9405.	3.2	8
41	Cannabinoid WIN55212â€2 impairs peanutâ€allergic sensitization and promotes the generation of allergenâ€specific regulatory T cells. Clinical and Experimental Allergy, 2022, 52, 540-549.	2.9	7
42	Remarkable Observations on Triplet-Sensitized Reactions. The Di-Ï€-methane Rearrangement of Acyclic 1,4-Dienes in the Triplet Excited State. Organic Letters, 2009, 11, 4148-4151.	4.6	6
43	The cannabinoid WIN55212â€2 suppresses effector Tâ€cell responses and promotes regulatory T cells in human tonsils. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1029-1032.	5.7	6
44	Substitution of a benzylic hydrogen by nucleophiles on a chromium tricarbonyl complex of a benzyl ether. Tetrahedron Letters, 2009, 50, 3690-3692.	1.4	1