

Juan V Alegre-Requena

List of Publications by Year in descending order

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36
papers

1,127
citations

471061

17
h-index

476904

29
g-index

42
all docs

42
docs citations

42
times ranked

1340
citing authors

#	ARTICLE	IF	CITATIONS
1	GoodVibes: automated thermochemistry for heterogeneous computational chemistry data. <i>F1000Research</i> , 0, 9, 291.	0.8	212
2	Heterobiaryl synthesis by contractive C–C coupling via P(V) intermediates. <i>Science</i> , 2018, 362, 799-804.	6.0	145
3	Phosphorus-mediated sp ² –sp ³ couplings for C–H fluoroalkylation of azines. <i>Nature</i> , 2021, 594, 217-222.	13.7	84
4	A Pyridine–Pyridine Cross-Coupling Reaction via Dearomatized Radical Intermediates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14882-14886.	7.2	61
5	Metal–organic frameworks (MOFs) bring new life to hydrogen-bonding organocatalysts in confined spaces. <i>CrystEngComm</i> , 2016, 18, 3985-3995.	1.3	54
6	Organocatalytic enantioselective hydrophosphonylation of aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1258-1264.	1.5	47
7	Fungal-derived brevianamide assembly by a stereoselective semipinacolase. <i>Nature Catalysis</i> , 2020, 3, 497-506.	16.1	47
8	Trifunctional Squaramide Catalyst for Efficient Enantioselective Henry Reaction Activation. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1801-1809.	2.1	41
9	Selective Halogenation of Pyridines Using Designed Phosphine Reagents. <i>Journal of the American Chemical Society</i> , 2020, 142, 11295-11305.	6.6	39
10	Self-assembled fibrillar networks of a multifaceted chiral squaramide: supramolecular multistimuli-responsive alcogels. <i>Soft Matter</i> , 2016, 12, 4361-4374.	1.2	32
11	Regulatory parameters of self-healing alginate hydrogel networks prepared via mussel-inspired dynamic chemistry. <i>New Journal of Chemistry</i> , 2016, 40, 8493-8501.	1.4	31
12	Visible-Light-Mediated Heterocycle Functionalization via Geometrically Interrupted [2+2] Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23020-23024.	7.2	29
13	Proline bulky substituents consecutively act as steric hindrances and directing groups in a Michael/Conia-ene cascade reaction under synergistic catalysis. <i>Chemical Science</i> , 2019, 10, 4107-4115.	3.7	28
14	Unconventional Reactivity of Ethynylbenziodoxolone Reagents and Thiols: Scope and Mechanism. <i>Chemistry - A European Journal</i> , 2020, 26, 2386-2394.	1.7	28
15	“Push–Pull” (P–P) Systems in Catalysis. <i>ACS Catalysis</i> , 2017, 7, 6430-6439.	5.5	24
16	Synthesis of luminescent squaramide monoesters: cytotoxicity and cell imaging studies in HeLa cells. <i>RSC Advances</i> , 2016, 6, 14171-14177.	1.7	21
17	One-pot synthesis of unsymmetrical squaramides. <i>RSC Advances</i> , 2015, 5, 33450-33462.	1.7	20
18	Data-mining the diaryl(thio)urea conformational landscape: Understanding the contrasting behavior of ureas and thioureas with quantum chemistry. <i>Tetrahedron</i> , 2019, 75, 697-702.	1.0	20

#	ARTICLE	IF	CITATIONS
19	Simple iodoalkyne-based organocatalysts for the activation of carbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1594-1601.	1.5	19
20	Optimizing the Accuracy and Computational Cost in Theoretical Squaramide Catalysis: The Henry Reaction. <i>Chemistry - A European Journal</i> , 2017, 23, 15336-15347.	1.7	18
21	Understanding hydrogelation processes through molecular dynamics. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1652-1673.	2.9	17
22	Squaramides with cytotoxic activity against human gastric carcinoma cells HGC-27: synthesis and mechanism of action. <i>MedChemComm</i> , 2016, 7, 550-561.	3.5	14
23	Homologation of Electron-Rich Benzyl Bromide Derivatives via Diazo C-C Bond Insertion. <i>Journal of the American Chemical Society</i> , 2022, 144, 86-92.	6.6	13
24	Squaramides, Discovering a New Crucial Scaffold. <i>Synlett</i> , 2014, 25, 298-299.	1.0	12
25	A Pyridine-Pyridine Cross-Coupling Reaction via Dearomatized Radical Intermediates. <i>Angewandte Chemie</i> , 2019, 131, 15024-15028.	1.6	10
26	Organocatalyzed Enantioselective Aldol and Henry Reactions Starting from Benzylic Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 124-129.	2.1	9
27	Non-enzyme entrapping biohydrogels in catalysis. <i>Tetrahedron Letters</i> , 2018, 59, 3293-3306.	0.7	8
28	Asymmetric Organocatalyzed Aza-Henry Reaction of Hydrazones: Experimental and Computational Studies. <i>Chemistry - A European Journal</i> , 2020, 26, 5469-5478.	1.7	7
29	Guanidine Motif in Biologically Active Peptides. <i>Australian Journal of Chemistry</i> , 2014, 67, 965.	0.5	6
30	Synthesis and supramolecular self-assembly of glutamic acid-based squaramides. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2065-2073.	1.3	6
31	Mechanistic Studies Yield Improved Protocols for Base-Catalyzed Anti-Markovnikov Alcohol Addition Reactions. <i>Journal of the American Chemical Society</i> , 2022, 144, 9586-9596.	6.6	6
32	Visible-Light-Mediated Heterocycle Functionalization via Geometrically Interrupted [2+2] Cycloaddition. <i>Angewandte Chemie</i> , 2020, 132, 23220-23224.	1.6	5
33	Asymmetric Total Synthesis and Determination of the Absolute Configuration of (+)-Srilankenyne via Sequence-Sensitive Halogenations Guided by Conformational Analysis. <i>Organic Letters</i> , 2021, 23, 1321-1326.	2.4	5
34	Self-Assembly of Hollow Organic Nanotubes Driven by Arene Regioisomerism. <i>ChemPlusChem</i> , 2020, 85, 2372-2375.	1.3	4
35	Sulfonamide as amide isostere for fine-tuning the gelation properties of physical gels. <i>RSC Advances</i> , 2020, 10, 11481-11492.	1.7	4
36	Frontispiece: Optimizing the Accuracy and Computational Cost in Theoretical Squaramide Catalysis: The Henry Reaction. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0