

# Juan J Vaquero

## List of Publications by Year in descending order

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44  
papers

889  
citations

430874

18  
h-index

526287

27  
g-index

46  
all docs

46  
docs citations

46  
times ranked

919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in the Synthesis of Azonia Aromatic Heterocycles. <i>Journal of Organic Chemistry</i> , 2016, 81, 10126-10135.	3.2	78
2	A V-shaped cationic dye for nonlinear optical bioimaging. <i>Chemical Communications</i> , 2011, 47, 7374.	4.1	64
3	Synthesis, Optical Properties, and Regioselective Functionalization of 4a-Aza-10a-boraphenanthrene. <i>Organic Letters</i> , 2017, 19, 3458-3461.	4.6	48
4	Reaction of 2-Bromomethylazoles and TosMIC: A Domino Process to Azolopyrimidines. Synthesis of Core Tricycle of the Variolins Alkaloids. <i>Organic Letters</i> , 2000, 2, 3253-3256.	4.6	43
5	Synthesis of functionalized helical BN-benzo[ <i>c</i> ]phenanthrenes. <i>Chemical Communications</i> , 2018, 54, 2467-2470.	4.1	39
6	Nonlinear Emission of Quinolizinium-Based Dyes with Application in Fluorescence Lifetime Imaging. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2351-2362.	2.5	33
7	Isoquinoline Synthesis by Heterocyclization of Tosylmethyl Isocyanide Derivatives: Total Synthesis of Mansouramycin B. <i>Organic Letters</i> , 2015, 17, 78-81.	4.6	32
8	Novel charged NLO chromophores based on quinolizinium acceptor units. <i>Dyes and Pigments</i> , 2014, 101, 116-121.	3.7	27
9	Synthesis, Functionalization, and Optical Properties of 1,2-Dihydro-1-aza-2-boraphenanthrene and Several Highly Fluorescent Derivatives. <i>Organic Letters</i> , 2019, 21, 2550-2554.	4.6	27
10	Heterocyclizations with Tosylmethyl Isocyanide Derivatives. A New Approach to Substituted Azolopyrimidines. <i>Journal of Organic Chemistry</i> , 2005, 70, 4879-4882.	3.2	24
11	Efficient Synthesis of an Indoloquinolizinium Alkaloid Selective DNA-Binder by Ring-Closing Metathesis. <i>Organic Letters</i> , 2014, 16, 3464-3467.	4.6	23
12	A New Member of the BN-Phenanthrene Family: Understanding the Role of the B-N Bond Position. <i>Journal of Organic Chemistry</i> , 2019, 84, 7113-7122.	3.2	23
13	Quinolizinium as a new fluorescent lysosomotropic probe. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 203-207.	2.2	22
14	C-H Functionalization of BN-Aromatics Promoted by Addition of Organolithium Compounds to the Boron Atom. <i>Organic Letters</i> , 2018, 20, 4902-4906.	4.6	22
15	Recent developments in the chemistry of BN-aromatic hydrocarbons. <i>Advances in Heterocyclic Chemistry</i> , 2021, , 197-259.	1.7	22
16	Synthesis of 1-Substituted Isoquinolines by Heterocyclization of TosMIC Derivatives: Total Synthesis of Cassiarin A. <i>Organic Letters</i> , 2016, 18, 3378-3381.	4.6	21
17	Remote Aryl Cyanation via Isocyanide-Cyanide Rearrangement on Tosylmethyl Isocyanide Derivatives. <i>Organic Letters</i> , 2013, 15, 3388-3391.	4.6	20
18	Highly Fluorescent Green Fluorescent Protein Chromophore Analogues Made by Decorating the Imidazolone Ring. <i>Chemistry - A European Journal</i> , 2015, 21, 18758-18763.	3.3	20

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19	Palladium-mediated N, C, and O functionalization of azolopyrimidines: a new total synthesis of variolin B. <i>Tetrahedron Letters</i> , 2008, 49, 4073-4077.	1.4	19
20	Application of Selective Palladium-Mediated Functionalization of the Pyrido[3,2:4,5]pyrrolo[1,2]pyrimidine Heterocyclic System for the Total Synthesis of Variolin B and Deoxyvariolin B. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5607-5618.	2.4	19
21	Ring-Closing Metathesis Approach to Heteroaromatic Cations: Synthesis of Benzoquinolininium Salts. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1280-1290.	2.4	19
22	Targeting DNA with small molecules: a comparative study of a library of azonia aromatic chromophores. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 527-538.	2.8	19
23	$\tilde{\text{I}}^3$ -Carboline Synthesis by Heterocyclization of TosMIC Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 6623-6632.	3.2	17
24	Enantioselective Copper-Catalyzed Synthesis of Trifluoromethyl-Cyclopropylboronates. <i>Organic Letters</i> , 2021, 23, 6174-6178.	4.6	17
25	Azonia Aromatic Cations by Ring-Closing Metathesis: Synthesis of Azaquinolininium Cations. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4214-4223.	2.4	16
26	Dibenzopyridoimidazocinnolinium cations: a new family of light-up fluorescent DNA probes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1916-1927.	4.5	15
27	Selective Synthesis of Phenanthrenes and Dihydrophenanthrenes via Gold-Catalyzed Cycloisomerization of Biphenyl Embedded Trienynes. <i>Organic Letters</i> , 2020, 22, 8464-8469.	4.6	14
28	Imidazopyridinium cations: A new family of azonia aromatic heterocycles with applications as DNA intercalators. <i>Dyes and Pigments</i> , 2017, 138, 135-146.	3.7	13
29	Regiodivergent Electrophilic Cyclizations of Alkynylcyclobutanes for the Synthesis of Cyclobutane-Fused O-Heterocycles. <i>Journal of Organic Chemistry</i> , 2019, 84, 5712-5725.	3.2	13
30	Expanding the BN-embedded PAH family: 4-aza-12-borachrysene. <i>Chemical Communications</i> , 2020, 56, 3669-3672.	4.1	13
31	A cascade reaction of azolopyrimidines. Synthesis of unusual indole and azaindole derivatives. <i>Chemical Communications</i> , 2012, 48, 9171.	4.1	12
32	Azonia aromatic heterocycles as a new acceptor unit in D- $\tilde{\text{I}}^3$ -A + vs D-A + nonlinear optical chromophores. <i>Dyes and Pigments</i> , 2017, 144, 17-31.	3.7	11
33	A Computer-Driven Scaffold-Hopping Approach Generating New PTP1B Inhibitors from the Pyrrolo[1,2]quinoxaline Core. <i>ChemMedChem</i> , 2021, 16, 2895-2906.	3.2	11
34	Remarkable effect of alkynyl substituents on the fluorescence properties of a BN-phenanthrene. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1257-1261.	2.2	9
35	Pyrrolo[1,2]quinoxalines: Insulin Mimetics that Exhibit Potent and Selective Inhibition against Protein Tyrosine Phosphatase 1B. <i>ChemMedChem</i> , 2020, 15, 1788-1801.	3.2	9
36	Practical Solvent-Free Microwave-Assisted Hydroboration of Alkynes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3024-3029.	2.4	9

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37	1,10a-Dihydro-1-aza-10a-boraphenanthrene and 6a,7-Dihydro-7-aza-6a-boratetraphene: Two New Fluorescent BN-PAHs. <i>Journal of Organic Chemistry</i> , 2021, 86, 16259-16267.	3.2	9
38	Synthesis and Photophysical Behavior of a Highly Fluorescent Family of Unsymmetrical Organoboron Complexes Containing 5-(Pyridin-2-ylmethylene)imidazolidine-2,4-dione Moieties. <i>Journal of Organic Chemistry</i> , 2020, 85, 441-448.	3.2	6
39	Discovery of potent calpain inhibitors based on the azolo-imidazolidenone scaffold. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 946-959.	5.5	4
40	Tripeptides as Integrin-Linked Kinase Modulating Agents Based on a Protein-Protein Interaction with $\beta$ -Parvin. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1656-1662.	2.8	4
41	Pyridazino-pyrrolo-quinoxalinium salts as highly potent and selective leishmanicidal agents targeting trypanothione reductase. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113915.	5.5	4
42	A new family of fluorescent pyridazinobenzimidazolium cations with DNA binding properties. <i>Dyes and Pigments</i> , 2021, 192, 109443.	3.7	3
43	Metal-Free Temperature-Controlled Regiodivergent Borylative Cyclizations of Enynes: $\text{BCl}_3$ -Promoted Skeletal Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	3
44	Metal-Free Temperature-Controlled Regiodivergent Borylative Cyclizations of Enynes: $\text{BCl}_3$ -Promoted Skeletal Rearrangement. <i>Angewandte Chemie</i> , 0, , .	2.0	0