

# Alessio Porta

## List of Publications by Year in descending order

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56  
papers

1,299  
citations

331670

21  
h-index

377865

34  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrophilic Cyclopentenone Neuroprostanes Are Anti-inflammatory Mediators Formed from the Peroxidation of the $\omega$ -3 Polyunsaturated Fatty Acid Docosahexaenoic Acid. <i>Journal of Biological Chemistry</i> , 2008, 283, 19927-19935.	3.4	122
2	2-Carboxyquinoxalines Kill <i>Mycobacterium tuberculosis</i> through Noncovalent Inhibition of DprE1. <i>ACS Chemical Biology</i> , 2015, 10, 705-714.	3.4	116
3	Thiophenecarboxamide Derivatives Activated by EthA Kill <i>Mycobacterium tuberculosis</i> by Inhibiting the CTP Synthetase PyrG. <i>Chemistry and Biology</i> , 2015, 22, 917-927.	6.0	72
4	Gold-Catalyzed Meyer-Schuster Rearrangement: Application to the Synthesis of Prostaglandins. <i>Organometallics</i> , 2010, 29, 3665-3668.	2.3	70
5	First Total Synthesis of A <sub>2</sub> Isoprostane. <i>Journal of Organic Chemistry</i> , 2002, 67, 4346-4351.	3.2	52
6	A Simple and Versatile Reagent-Catalyzed Meyer-Schuster Rearrangement of Propargylic Alcohols to $\alpha,\beta$ -Unsaturated Carbonyl Compounds. <i>Chemistry - A European Journal</i> , 2009, 15, 3940-3944.	3.3	52
7	DHA-derived oxylipins, neuroprostanes and protectins, differentially and dose-dependently modulate the inflammatory response in human macrophages: Putative mechanisms through PPAR activation. <i>Free Radical Biology and Medicine</i> , 2017, 103, 146-154.	2.9	42
8	The Cyclopentenone Product of Lipid Peroxidation, 15-A <sub>2</sub> t-Isoprostane, Is Efficiently Metabolized by HepG2 Cells via Conjugation with Glutathione. <i>Chemical Research in Toxicology</i> , 2004, 17, 17-25.	3.3	40
9	Direct <i>meta</i> - <sup>13</sup> C-H Perfluoroalkenylation of Arenes Enabled by a Cleavable Pyrimidine-Based Template. <i>Chemistry - A European Journal</i> , 2019, 25, 10323-10327.	3.3	40
10	The Meyer-Schuster rearrangement: a new synthetic strategy leading to prostaglandins and their drug analogs, Bimatoprost and Latanoprost. <i>Tetrahedron</i> , 2010, 66, 7472-7478.	1.9	37
11	Fast low-pressurized microwave-assisted extraction of benzotriazole, benzothiazole and benzenesulfonamide compounds from soil samples. <i>Talanta</i> , 2016, 147, 322-327.	5.5	36
12	Incorporating Unbiased, Unactivated Aliphatic Alkenes in Pd(II)-Catalyzed Olefination of Benzyl Phosphoramidate. <i>ACS Catalysis</i> , 2017, 7, 7732-7736.	11.2	34
13	1,2-Oxopalladation versus $\eta^3$ -Allyl Palladium Route. A Regioconvergent Approach to a Key Intermediate for Cyclopentanoids Synthesis. New Insights into the Pd(II)-Catalyzed Lactonization Reaction. <i>Journal of Organic Chemistry</i> , 2002, 67, 6064-6069.	3.2	33
14	Gold-mediated synthesis of $\beta$ -ionone. <i>Tetrahedron Letters</i> , 2011, 52, 1124-1127.	1.4	32
15	First Total Synthesis of J <sub>2</sub> Isoprostane. <i>Journal of Organic Chemistry</i> , 2003, 68, 6005-6010.	3.2	29
16	Asymmetric Synthesis of 14-A <sub>4</sub> t-Neuroprostane: Hunting for a Suitable Biomarker for Neurodegenerative Diseases. <i>Journal of Organic Chemistry</i> , 2007, 72, 9698-9703.	3.2	26
17	The fatty acid oxidation product 15-A <sub>3</sub> t-Isoprostane is a potent inhibitor of NF- $\kappa$ B transcription and macrophage transformation. <i>Journal of Neurochemistry</i> , 2011, 119, 604-616.	3.9	26
18	Alkynyl <i>N</i> -Nosylhydrazones: Easy Decomposition to Alkynyl Diazomethanes and Application in Allene Synthesis. <i>Chemistry - A European Journal</i> , 2017, 23, 9009-9013.	3.3	26

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19	Biomimetic Cyclizations of Functionalized Isoprenoid Polyenes: A Cornucopia of Synthetic Opportunities. <i>Current Organic Chemistry</i> , 2006, 10, 2259-2282.	1.6	23
20	Computational Mechanistic Study of the Julia-Kocienski Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 3092-3100.	3.2	23
21	First Enantioselective Total Synthesis of (8S,12R,15S)-Prostaglandin J2. <i>Journal of Organic Chemistry</i> , 2003, 68, 6437-6439.	3.2	22
22	Stereodivergent Strategy for Neurofuran Synthesis via Palladium-Catalyzed Asymmetric Allylic Cyclization: Total Synthesis of 7-epi-ST-18-10-Neurofuran. <i>Journal of Organic Chemistry</i> , 2013, 78, 5556-5567.	3.2	21
23	Identification of the Major Urinary Metabolite of the Highly Reactive Cyclopentenone Isoprostane 15-A2t-Isoprostane in Vivo. <i>Journal of Biological Chemistry</i> , 2005, 280, 25178-25184.	3.4	20
24	Enantioselective Synthesis and Olfactory Evaluation of 13-Alkyl-Substituted $\pm$ -Ionones. <i>Chemistry and Biodiversity</i> , 2008, 5, 1045-1057.	2.1	20
25	Enantioselective Synthesis and Olfactory Evaluation of Bicyclic $\pm$ - and $\beta^3$ -Ionone Derivatives: The 3D Arrangement of Key Molecular Features Relevant to the Violet Odor of Ionones. <i>Journal of Organic Chemistry</i> , 2009, 74, 7100-7110.	3.2	20
26	Antiinflammatory effects of the cyclopentenone isoprostane 15-A2-IsoP in human gestational tissues. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1791-1796.	2.9	19
27	Improved Synthesis of ( <i>E</i> )-12-Nitrooctadec-12-enoic acid, a Potent PPAR $\beta$ Activator. Development of a Buffer-Free Enzymatic Method for Hydrolysis of Methyl Esters. <i>Journal of Organic Chemistry</i> , 2010, 75, 8311-8314.	3.2	19
28	One-Pot Consecutive Reactions Based on the Synthesis of Conjugated Enones by the Re-Catalysed Meyer-Schuster Rearrangement. <i>Chemistry - A European Journal</i> , 2012, 18, 11894-11898.	3.3	18
29	A Concise and Efficient Total Synthesis of Oleocanthal. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4332-4336.	2.4	18
30	Photochemistry of Cannabidiol (CBD) Revised. A Combined Preparative and Spectrometric Investigation. <i>Journal of Natural Products</i> , 2021, 84, 2858-2865.	3.0	18
31	Asymmetric Synthesis of a Chiral Building Block for Cyclopentanoids: A Novel Enantioselective Synthesis of Preclavulone A. <i>Journal of Organic Chemistry</i> , 2006, 71, 8459-8466.	3.2	17
32	A General Enantioselective Approach to Jasmonoid Fragrances: Synthesis of (+)-(1R,2S)-Methyl Dihydrojasmonate and (+)-(1R,2S)-Magnolione. <i>Journal of Organic Chemistry</i> , 2005, 70, 4876-4878.	3.2	15
33	Synthesis and Assignment of Absolute Configuration of the Iridoid 9-Deoxygelsemide. <i>Organic Letters</i> , 2010, 12, 596-599.	4.6	13
34	General Strategy for the Synthesis of B <sub>1</sub> and L <sub>1</sub> Prostanoids: Synthesis of Phytoprostanes ( <i>RS</i> )-9-L <sub>1</sub> -PhytoP, ( <i>R</i> )-9-L <sub>1</sub> -PhytoP, ( <i>RS</i> )-16-B <sub>1</sub> -PhytoP, and ( <i>RS</i> )-16-L <sub>1</sub> -PhytoP. <i>Journal of Organic Chemistry</i> , 2015, 80, 1601-1609.	3.2	11
35	Evaluation of Rice Husk for SPE of Fluoroquinolones from Environmental Waters Followed by UHPLC-HESI-MS/MS. <i>Chromatographia</i> , 2017, 80, 577-583.	1.3	11
36	Expedient Access to Benzazepines by Palladium-Catalyzed C-H Activation: Identification of a Unique Hsp90 Inhibitor Scaffold. <i>Chemistry - A European Journal</i> , 2018, 24, 16516-16520.	3.3	11

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37	Enantioselective synthesis of preclavulone A and its methyl ester. <i>Tetrahedron</i> , 2007, 63, 3989-3994.	1.9	10
38	Protecting Group Free Synthesis of 6-Substituted Naphthols and Binols. <i>Journal of Organic Chemistry</i> , 2011, 76, 2319-2323.	3.2	10
39	Competitive Gold-Promoted Meyer-Schuster and oxy-Cope Rearrangements of 3-Acyloxy-1,5-enynes: Selective Catalysis for the Synthesis of (+)-Sclerone and (-)-2,6-dichloro-3,4-dichlorone. <i>Chemistry - A European Journal</i> , 2015, 21, 14068-14074.	3.3	8
40	Structures and biological significance of lactarane sesquiterpenes from the European mushroom <i>Russula nobilis</i> . <i>Phytochemistry</i> , 2014, 107, 126-134.	2.9	8
41	Enantioselective Divergent Synthesis of (+)-Sclerone and (-)-2,6-dichloro-3,4-dichlorone by Using Wilkinson's Catalyst. <i>Chemistry - A European Journal</i> , 2015, 21, 791-799.	3.3	8
42	A Divergent Enantioselective Synthesis of 9 $\alpha$ -Phytostane and 9 $\alpha$ -Phytostane Methyl Ester. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2111-2119.	2.4	7
43	Biology and chemistry of neuroprostanes. First total synthesis of 17-A4-NeuroP: Validation of a convergent strategy to a number of cyclopentenone neuroprostanes. <i>Chemistry and Physics of Lipids</i> , 2013, 174, 64-74.	3.2	5
44	Ene Reaction of Nitrosocarbonyl Mesitylene with the Cinnamyl Alcohol: Metabolic Activity and Apoptosis of the Synthetized 6-Chloropurine N,O-Nucleoside Analogues. <i>ACS Omega</i> , 2018, 3, 7621-7629.	3.5	5
45	Weiss-Cook Condensations for the Synthesis of Bridged Bithiophene Monomers and Polymers. <i>ChemistrySelect</i> , 2019, 4, 12569-12572.	1.5	5
46	Chemical, Metabolic, and Cellular Characterization of a FtsZ Inhibitor Effective Against <i>Burkholderia cenocepacia</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 562.	3.5	5
47	First total synthesis of labeled EPA and DHA-derived A-type cyclopentenone isoprostanoids: [D2]-15-A3t-IsoP and [D2]-17-A4t-NeuroP. <i>Tetrahedron</i> , 2014, 70, 1484-1491.	1.9	4
48	A Unified Stereodivergent Strategy for Prostaglandin and Isoprostanoid Synthesis. <i>Journal of Organic Chemistry</i> , 2014, 79, 2632-2639.	3.2	4
49	Biomimetic Cyclization of Geraniol Derivatives, a Useful Tool in the Total Synthesis of Bioactive Monocyclic Terpenoids. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	3
50	Dual Re <sup>V</sup> Catalysis in One-Pot Consecutive Meyer-Schuster and Diels-Alder Reactions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4900-4906.	2.4	3
51	Highly Stereoselective Glycosylation Reactions of Furanoside Derivatives via Rhenium (V) Catalysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 7672-7686.	3.2	3
52	Oxo-Rhenium-Mediated Allylation of Furanoside Derivatives: A Computational Study on the Mechanism and the Stereoselectivity. <i>Journal of Organic Chemistry</i> , 2022, 87, 9497-9506.	3.2	3
53	A General and Concise Enantioselective Divergent Approach to 13-Alkyl-Substituted Ionones. <i>Chemistry and Biodiversity</i> , 2014, 11, 1540-1553.	2.1	1
54	Stereoselective preparation of key intermediates for the synthesis of iso-, neuro- and phyto-prostane family members: inaugural asymmetric synthesis of 17-E2c-dihomo- and 17-F2c-dihomo-isoprostanes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2393-2396.	2.8	1

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55	The Importance of the 5-Alkyl Substituent for the Violet Smell of Ionones: Synthesis of Racemic 5-Demethyl- $\pm$ -ionone. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	0
56	Frontispiece: Alkynyl <i>N</i> -Nosylhydrazones: Easy Decomposition to Alkynyl Diazomethanes and Application in Allene Synthesis. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0