

Ernesto Giovanni Occhiato

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	New Synthetic Approach to Cyclopenta-Fused Heterocycles Based upon a Mild Nazarov Reaction. Journal of Organic Chemistry, 2003, 68, 9728-9741.	3.2	78
2	Suzuki Reaction of Vinyl Triflates from Six- and Seven-Membered N-Alkoxy carbonyl Lactams with Boronic Acids and Esters. Journal of Organic Chemistry, 2001, 66, 2459-2465.	3.2	77
3	A new class of conjugated strigolactone analogues with fluorescent properties: synthesis and biological activity. Organic and Biomolecular Chemistry, 2009, 7, 3413.	2.8	77
4	New Potent Fluorescent Analogues of Strigolactones: Synthesis and Biological Activity in Parasitic Weed Germination and Fungal Branching. European Journal of Organic Chemistry, 2011, 2011, 3781-3793.	2.4	69
5	Preparation and Suzuki-Miyaura Coupling Reactions of Tetrahydropyridine-2-boronic Acid Pinacol Esters. Journal of Organic Chemistry, 2005, 70, 7324-7330.	3.2	64
6	19-Nor-10-azasteroids: A Novel Class of Inhibitors for Human Steroid 5 α -Reductases 1 and 2. Journal of Medicinal Chemistry, 1997, 40, 1112-1129.	6.4	58
7	Preparation and Cycloaddition Reactions of Enantiopure 2-(N-Acylamino)-1,3-dienes for the Synthesis of Octahydroquinoline Derivatives. Journal of Organic Chemistry, 2003, 68, 6360-6368.	3.2	53
8	Selective non-steroidal inhibitors of 5 α -reductase type 1. Journal of Steroid Biochemistry and Molecular Biology, 2004, 88, 1-16.	2.5	52
9	Synthesis and Conformational Analysis of Small Peptides Containing 6-Endo-BT(t)L Scaffolds as Reverse Turn Mimetics. Journal of Organic Chemistry, 2002, 67, 7483-7492.	3.2	51
10	New Synthetic Approach to Cyclopenta-Fused Heterocycles Based upon a Mild Nazarov Reaction. 2. Further Studies on the Torquoselectivity. Journal of Organic Chemistry, 2004, 69, 7705-7709.	3.2	51
11	Remote Stereocontrol in the Nazarov Reaction: A New Approach to the Core of Roseophilin. Journal of Organic Chemistry, 2005, 70, 4542-4545.	3.2	51
12	The Lewis Acid-Catalyzed Nazarov Reaction of 2-(N-Methoxycarbonylamino)-1,4-pentadien-3-ones. Organic Letters, 2006, 8, 781-784.	4.6	44
13	Synthesis and Reactivity of Bicycles Derived from Tartaric Acid and α -Amino Acids: A Novel Class of Conformationally Constrained Dipeptide Isosteres Based upon Enantiopure 3-Aza-6,8-dioxabicyclo[3.2.1]octane-7-carboxylic Acid. Journal of Organic Chemistry, 1999, 64, 7347-7364.	3.2	43
14	Density Functional Studies on the Nazarov Reaction Involving Cyclic Systems. Chemistry - A European Journal, 2006, 12, 2836-2845.	3.3	42
15	Structure-Function Relations of Strigolactone Analogs: Activity as Plant Hormones and Plant Interactions. Molecular Plant, 2013, 6, 141-152.	8.3	40
16	Recent Advances in the Synthesis of Indenes. European Journal of Organic Chemistry, 2019, 2019, 7401-7419.	2.4	39
17	Stereoselective Synthesis of Spirocyclic Ketones by Nazarov Reaction. Organic Letters, 2005, 7, 4345-4348.	4.6	38
18	Synthesis of Weinreb Amides via Pd-Catalyzed Aminocarbonylation of Heterocyclic-Derived Triflates. Journal of Organic Chemistry, 2008, 73, 1941-1945.	3.2	37

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19	Lyophilised yeasts: easy-to-handle biocatalysts for stereoselective reduction of ketones. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3515-3520.	1.8	34
20	Carbonylative Suzuki-Miyaura Coupling Reaction of Lactam-, Lactone-, and Thiolactone-Derived Enol Triflates for the Synthesis of Unsymmetrical Dienones. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2152-2163.	2.4	34
21	Enantiodivergent Chemoenzymatic Synthesis of 4-Hydroxypiperidine Alkaloids. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5831-5840.	2.4	33
22	Construction of Cyclopenta[<i>b</i>]indol-1-ones by a Tandem Gold(I)-Catalyzed Rearrangement/Nazarov Reaction and Application to the Synthesis of Bruceolline H. <i>Organic Letters</i> , 2016, 18, 3922-3925.	4.6	33
23	Annulated Heterocycles by Tandem Gold(I)-Catalyzed [3,3]-Rearrangement/Nazarov Reaction of Propargylic Ester Derivatives: an Experimental and Computational Study. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3943-3956.	2.4	32
24	Benzo[<i>c</i>]quinolizin-3-ones: A Novel Class of Potent and Selective Nonsteroidal Inhibitors of Human Steroid 5 α -Reductase 1. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 3718-3735.	6.4	31
25	Synthesis of β -Acyl-Functionalized Azacycles by Pd-Catalyzed Cross-Coupling Reactions of β -Alkoxyboronates with Lactam-Derived Vinyl Triflates. <i>Journal of Organic Chemistry</i> , 2002, 67, 7144-7146.	3.2	31
26	Synthesis of Vinylogous Amides by Gold(I)-Catalyzed Cyclization of N-Boc-Protected 6-Alkynyl-3,4-dihydro-2H-pyridines. <i>Journal of Organic Chemistry</i> , 2013, 78, 11007-11016.	3.2	31
27	Strigolactone Analogs as Molecular Probes in Chasing the (SLs) Receptor/s: Design and Synthesis of Fluorescent Labeled Molecules. <i>Molecular Plant</i> , 2013, 6, 113-127.	8.3	31
28	Microbial biotransformations in water/organic solvent system. Enantioselective reduction of aromatic β - and γ -nitroketones. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 1389-1394.	1.8	29
29	Synthesis, Biological Activity, and Three-Dimensional Quantitative Structure-Activity Relationship Model for a Series of Benzo[<i>c</i>]quinolizin-3-ones, Nonsteroidal Inhibitors of Human Steroid 5 α -Reductase 1. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 3546-3560.	6.4	28
30	Tailoring fluorescent strigolactones for in vivo investigations: a computational and experimental study. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2960-2968.	2.8	28
31	Baker's yeast reduction of prochiral β -nitroketones. II.1 straightforward enantioselective synthesis of 2,7-dimethyl-1,6-dioxaspiro[4.4]nonanes. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 2971-2976.	1.8	27
32	19-Nor-10-azasteroids. 5.1A Synthetic Strategy for the Preparation of (+)-17-(3-Pyridyl)-(5 β)-10-azaestra-1,16-dien-3-one, a Novel Potential Inhibitor for Human Cytochrome P45017 α 1 (17 β -Hydroxylase/C17,20-lyase). <i>Journal of Organic Chemistry</i> , 1999, 64, 4985-4989.	3.2	27
33	Modification of the Aza-Robinson Annulation for the Synthesis of 4-Methyl-Benzo[<i>c</i>]quinolizin-3-ones, Potent Inhibitors of Steroid 5 α -Reductase 1. <i>Journal of Organic Chemistry</i> , 2000, 65, 8093-8095.	3.2	27
34	Pd(0)-Catalyzed Cross-Coupling Reactions of Boron Derivatives with a Lactam-Derived N-Boc Enol Triflate. <i>Organic Letters</i> , 2000, 2, 1241-1242.	4.6	27
35	Predicting Reactivity and Stereoselectivity in the Nazarov Reaction: A Combined Computational and Experimental Study. <i>Chemistry - A European Journal</i> , 2008, 14, 9292-9304.	3.3	27
36	19-Nor-10-azasteroids, a New Class of Steroid 5 α -Reductase Inhibitors. 2. X-ray Structure, Molecular Modeling, Conformational Analysis of 19-Nor-10-azasteroids and Comparison with 4-Azasteroids and 6-Azasteroids. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 3466-3477.	6.4	26

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37	Enantioselective addition of diethylzinc to aldehydes using 1,4-aminoalcohols as chiral ligands. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1319-1324.	1.8	26
38	Baker's yeast reduction of prochiral $\hat{1}^3$ -nitroketones: Enantioselective synthesis of (S)-4-nitroalcohols. <i>Tetrahedron</i> , 1995, 51, 1775-1788.	1.9	24
39	Synthesis of a new enantiopure bicyclic $\hat{1}^3/\hat{1}^-$ -amino acid (BTKa) derived from tartaric acid and $\hat{1}^\pm$ -amino acetophenone. <i>Tetrahedron</i> , 2002, 58, 9865-9870.	1.9	24
40	LIC-KOR promoted formation of conjugated dienes as useful building blocks for palladium-catalyzed syntheses. <i>Tetrahedron</i> , 2005, 61, 3429-3436.	1.9	24
41	o-Benzenedisulfonimide as a Powerful and Recyclable Organocatalyst for the Nazarov Reaction. <i>Synthesis</i> , 2009, 2009, 2260-2266.	2.3	24
42	Stereochemical Assignment of Strigolactone Analogues Confirms Their Selective Biological Activity. <i>Journal of Natural Products</i> , 2015, 78, 2624-2633.	3.0	24
43	From synthetic control to natural products: a focus on $\hat{1}^N$ -heterocycles. <i>Pest Management Science</i> , 2019, 75, 2385-2402.	3.4	24
44	Stereoselective Meisenheimer rearrangement using BTAA's as chiral auxiliaries. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 4227-4238.	1.8	23
45	Complementary and Stereodivergent Approaches to the Synthesis of 5-Hydroxy- and 4,5-Dihydroxypipercolic Acids from Enantiopure Hydroxylated Lactams. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1306-1317.	2.4	23
46	Gold-Catalysed Synthesis of Exocyclic Vinylogous Amides and $\hat{1}^2$ -Amino Ketones: A Detailed Study on the $\hat{1}^{\text{exo}}$ / $\hat{1}^{\text{endo}}$ -Selectivity, Methodology and Scope. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3251-3265.	2.4	23
47	Total Synthesis of Bruceolline I. <i>Journal of Natural Products</i> , 2017, 80, 2384-2388.	3.0	23
48	Effect of C-ring modifications in benzo[c]quinolizin-3-ones, new selective inhibitors of human $\hat{1}^\pm$ -reductase 1. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 1385-1393.	3.0	22
49	Synthesis of benzo[c]quinolizin-3-ones: Selective non-steroidal inhibitors of steroid $\hat{1}^\pm$ -reductase 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 2871-2876.	2.2	21
50	Selectivity of <i>Daucus carota</i> roots and baker's yeast in the enantioselective reduction of $\hat{1}^3$ -nitroketones. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 1479-1483.	1.8	20
51	Pentannulation of Heterocycles by Virtue of Precious Metal Catalysis. <i>Chemistry - an Asian Journal</i> , 2016, 11, 642-659.	3.3	20
52	Enantioselective synthesis of indolizine derivatives by rearrangement-cyclization of isoxazoline-5-spirocyclopropanes. <i>Tetrahedron</i> , 1993, 49, 10629-10642.	1.9	19
53	Synthesis of 8-chloro-benzo[c]quinolizin-3-ones as potent and selective inhibitors of human steroid $\hat{1}^\pm$ -reductase 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 353-356.	2.2	19
54	N-Substituent effects on the diethylzinc addition to benzaldehyde catalysed by bicyclic 1,4-amino alcohols. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 340-350.	1.8	19

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55	Pentannulation Reaction by Tandem Gold(I)-Catalyzed Propargyl Claisen Rearrangement/Nazarov Cyclization of Enynyl Vinyl Ethers. <i>Organic Letters</i> , 2018, 20, 4713-4717.	4.6	19
56	Introduction of the new dipeptide isostere 7-endo-BtA as reverse turn inducer in a Bowman-Birk proteinase inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 1625-1632.	3.0	18
57	Carbonylative Palladium-Catalyzed Reactions of Lactam-, Lactone-, and Thiolactone-Derived Vinyl Triflates and Phosphates for the Synthesis of N-, O-, and S-Heterocycles. <i>Heterocycles</i> , 2010, 80, 697.	0.7	18
58	A Short and Convenient Synthesis of Enantiopure cis- and trans-4-Hydroxy-pipecolic Acid. <i>Synthesis</i> , 2009, 2009, 3611-3616.	2.3	17
59	Cyclopropane Pipecolic Acids as Templates for Linear and Cyclic Peptidomimetics: Application in the Synthesis of an Arg-Gly-Asp (RGD)-Containing Peptide as an $\alpha_1\beta_1$ Integrin Ligand. <i>3.3 Chemistry - A European Journal</i> , 2014, 20, 11187-11203.		17
60	Stereoselective Synthesis of (2 <i>S</i> ,4 <i>R</i>)-4-Hydroxy-pipecolic Acid. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 524-531.	2.4	16
61	A Short, Chemo-Enzymatic Synthesis of Both Enantiomers of <i>trans</i> -3-Hydroxy-pipecolic Acid. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5448-5455.	2.4	14
62	Cyclic RGD peptidomimetics containing 4- and 5-amino-cyclopropane pipecolic acid (CPA) templates as dual $\alpha_1\beta_1$ and $\alpha_1\beta_2$ integrin ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 703-711.	3.0	14
63	Synthesis and conformational analysis of peptides embodying 2,3-methanopipecolic acids. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6826-6836.	2.8	14
64	Synthesis of Indenes by Tandem Gold(I)-Catalyzed Claisen Rearrangement/Hydroarylation Reaction of Propargyl Vinyl Ethers. <i>Journal of Organic Chemistry</i> , 2019, 84, 6298-6311.	3.2	14
65	Diastereodivergent Synthesis of 4-Hydroxy-2,3-methanopipecolic Acid Derivatives as Conformationally Constrained Homoserine Analogues. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6544-6552.	2.4	13
66	A novel allergen-adjuvant conjugate suitable for specific immunotherapy of respiratory allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 84-92.e6.	2.9	13
67	A lactam-derived vinyl boronate as a stable and crystalline reagent for the synthesis of 2-substituted piperidines by Pd-catalyzed coupling reactions. <i>Tetrahedron Letters</i> , 2004, 45, 5271-5274.	1.4	12
68	A Gold(I)-Catalyzed Oxidative Rearrangement of Heterocycle-Derived 1,3-Enynes Provides an Efficient and Selective Route to Divinyl Ketones. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6228-6238.	2.4	12
69	A Short and Efficient Route to Enantiopure 3,5-Diarylpyrrolizidines. <i>Journal of Organic Chemistry</i> , 1999, 64, 1727-1732.	3.2	11
70	Synthesis and activity of 8-substituted benzo[<i>c</i>]quinolizin-3-ones as dual inhibitors of human 5 α -reductases 1 and 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 145-148.	2.2	11
71	Synthesis of 17 β -N-Substituted 19-Nor-10-azasteroids as Inhibitors of Human 5 α -Reductases I and II. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 3455-3461.	3.0	10
72	Synthesis of enantiopure 2,7-diaryl-1,6-dioxaspiro[4.4]nonanes via enantioselective reduction of prochiral β^3 -nitroketones by diisopinocampheylchloroborane (DIP-Cl \cdot , Φ). <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1929-1942.	1.8	9

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73	Expeditious Racemic and Enantiodivergent Synthesis of 1,4-Dideoxymannojirimycin and 1,4-Dideoxymannojirimycin. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2597-2605.	2.4	8
74	Treatment with 8-OH modified adenine (TLR 7 ligand) allergen conjugates decreases T helper type 2-oriented murine airway inflammation. <i>Immunology</i> , 2015, 145, 570-582.	4.4	7
75	Gold(I)-Catalysed Hydroarylation of Lactam-Derived Enynes as an Entry to Tetrahydrobenzo[<i>g</i>]quinolines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 646-653.	2.4	6
76	Synthesis of (±)-epi-ungianol by the Gold(I)-Catalyzed Propargyl Claisen Rearrangement/Hydroarylation Cascade Reaction of Propargyl Vinyl Ethers. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1266-1273.	2.4	6
77	One-Pot Access to 1,7a-Dihydro-1,3a-ethano-indene and 1,8a-Dihydro-1,3a-ethano-azulene Skeletons by a Sequential Gold(I)-Catalyzed Propargyl Claisen Rearrangement/Nazarov Cyclization/[4+2] Cycloaddition Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 5078-5086.	3.2	5
78	Synthesis of Both Enantiomers of the Streptomyces Alkaloid 4-epi-SS20846A. <i>Synthesis</i> , 2012, 44, 3688-3692.	2.3	4
79	Dermatophagoides pteronyssinus group 2 allergen bound to 8-OH modified adenine reduces the Th2-mediated airway inflammation without inducing a Th17 response and autoimmunity. <i>Molecular Immunology</i> , 2016, 77, 60-70.	2.2	4
80	Stereodivergent synthesis of 5-aminopipericolic acids and application in the preparation of a cyclic RGD peptidomimetic as a nanomolar V _β 3 integrin ligand. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3402-3414.	2.8	4
81	Asymmetric hydrogenation of prochiral ¹³ C-nitroketones by ruthenium complexes. <i>Journal of Molecular Catalysis A</i> , 1996, 110, 129-134.	4.8	3
82	Chemistry of Lactam-Derived Vinyl Phosphates: Stereoselective Synthesis of (+)-Fagomine. <i>Synlett</i> , 2009, 2009, 913-916.	1.8	3
83	Gold(I)-Catalyzed Cycloisomerization/Hetero-Diels-Alder Reaction/Ring Opening Cascade to Functionalized Cyclopentadienes. <i>Journal of Organic Chemistry</i> , 2022, 87, 6038-6051.	3.2	3
84	A New, Practical and Efficient Method for Protecting Alcohols as tert-Butyl Ethers. <i>Synlett</i> , 2010, 2010, 812-816.	1.8	2
85	Enantiodivergent Synthesis of Halofuginone by Candida antarctica Lipase B (CAL-B)-Catalyzed Kinetic Resolution in Cyclopentyl Methyl Ether (CPME). <i>SynOpen</i> , 2021, 05, 145-151.	1.7	2
86	Pentannulation of N-heterocycles by a tandem gold-catalyzed [3,3]-rearrangement/Nazarov reaction of propargyl ester derivatives: a computational study on the crucial role of the nitrogen atom. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 3059-3068.	2.2	2
87	One-Pot Pictet-Spengler Reaction and Esterification for the Preparation of a Key Tadalafil Synthetic Intermediate. <i>Letters in Organic Chemistry</i> , 2010, 7, 311-313.	0.5	1
88	Enantioselective Synthesis of cis- and trans-4-Aminopipericolic Acids as ¹³ C-Amino Acids for the Construction of Cyclic RGD-Containing Peptidomimetics Antagonists of V _β 3 Integrin. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4371-4383.	2.4	1
89	A Lactam-Derived Vinyl Boronate as a Stable and Crystalline Reagent for the Synthesis of 2-Substituted Piperidines by Pd-Catalyzed Coupling Reactions.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
90	Preparation and Suzuki-Miyaura Coupling Reactions of Tetrahydropyridine-2-boronic Acid Pinacol Esters.. <i>ChemInform</i> , 2006, 37, no.	0.0	0

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91	Short synthesis of racemic 5-hydroxy-6-hydroxymethylpiperidin-2-one. Chemical Data Collections, 2018, 13-14, 11-16.	2.3	0