

Annamaria Deagostino

List of Publications by Year in descending order

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80
papers

1,591
citations

279701

23
h-index

377752

34
g-index

104
all docs

104
docs citations

104
times ranked

1848
citing authors

#	ARTICLE	IF	CITATIONS
1	Suzuki-Miyaura Cross-Coupling in Acylation Reactions, Scope and Recent Developments. <i>Molecules</i> , 2013, 18, 1188-1213.	1.7	130
2	A new class of conjugated strigolactone analogues with fluorescent properties: synthesis and biological activity. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3413.	1.5	77
3	MRI-Guided Neutron Capture Therapy by Use of a Dual Gadolinium/Boron Agent Targeted at Tumour Cells through Upregulated Low-Density Lipoprotein Transporters. <i>Chemistry - A European Journal</i> , 2011, 17, 8479-8486.	1.7	56
4	The Heck Reaction Applied to 1,3- and 1,2-Unsaturated Derivatives, a Way towards Molecular Complexity. <i>Molecules</i> , 2010, 15, 2667-2685.	1.7	54
5	A theranostic approach based on the use of a dual boron/Gd agent to improve the efficacy of Boron Neutron Capture Therapy in the lung cancer treatment. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 741-750.	1.7	51
6	A New Synthesis of Butadienyl- and Styrylboronic Esters: Highly Reactive Intermediates for Suzuki Cross-Coupling. <i>Organic Letters</i> , 2002, 4, 1275-1277.	2.4	44
7	Functionalized 1-Alkoxy-1,3-dienes: Their Preparation and Applications in Synthetic Organic Chemistry. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2463-2483.	1.2	43
8	Synthesis of a carborane-containing cholesterol derivative and evaluation as a potential dual agent for MRI/BNCT applications. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2457-2467.	1.5	41
9	Theranostic Nanoparticles Loaded with Imaging Probes and Rubrocurcumin for Combined Cancer Therapy by Folate Receptor Targeting. <i>ChemMedChem</i> , 2017, 12, 502-509.	1.6	40
10	Palladium-Catalyzed Heck Reaction on 1-Alkoxy-1,3-dienes: A Regioselective β^3 -Arylation of β^1, β^2 -Unsaturated Carbonyl Compounds. <i>Organic Letters</i> , 2003, 5, 3815-3817.	2.4	39
11	Stereoselective Synthesis of Spirocyclic Ketones by Nazarov Reaction. <i>Organic Letters</i> , 2005, 7, 4345-4348.	2.4	38
12	Synthesis of Weinreb Amides via Pd-Catalyzed Aminocarbonylation of Heterocyclic-Derived Triflates. <i>Journal of Organic Chemistry</i> , 2008, 73, 1941-1945.	1.7	37
13	Insights into the use of gadolinium and gadolinium/boron-based agents in imaging-guided neutron capture therapy applications. <i>Future Medicinal Chemistry</i> , 2016, 8, 899-917.	1.1	35
14	Synthesis of Gd(III)-C-palmitamidomethyl- β^2 -DOTAMA-C6-o-carborane: a new dual agent for innovative MRI/BNCT applications. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4460.	1.5	33
15	A Carborane-Derivative α -Click-Reaction under Heterogeneous Conditions for the Synthesis of a Promising Lipophilic MRI/GdBNCT Agent. <i>Chemistry - A European Journal</i> , 2013, 19, 721-728.	1.7	32
16	Synthesis of β^1 -Acyl-Functionalized Azacycles by Pd-Catalyzed Cross-Coupling Reactions of β^1 -Alkoxyboronates with Lactam-Derived Vinyl Triflates. <i>Journal of Organic Chemistry</i> , 2002, 67, 7144-7146.	1.7	31
17	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.	1.7	31
18	Electronic Effects of Substituents on fac-M(bpy-R)(CO) ₃ (M = Mn, Re) Complexes for Homogeneous CO ₂ Electroreduction. <i>Frontiers in Chemistry</i> , 2019, 7, 417.	1.8	28

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19	An innovative therapeutic approach for malignant mesothelioma treatment based on the use of Gd/boron multimodal probes for MRI guided BNCT. <i>Journal of Controlled Release</i> , 2018, 280, 31-38.	4.8	27
20	Reaction of $\hat{1},\hat{2}$ -unsaturated and $\hat{1}$ -phenyl acetals with epoxides, promoted by lithium. Potassium mixed base LICKOR: Synthesis of homoallyl alcohols. <i>Tetrahedron</i> , 1996, 52, 1433-1442.	1.0	26
21	N-Functionalization of Azoles through Coupling Reactions with Alkoxydienyl and Alkoxystryryl Boronic Esters. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1318-1323.	1.2	25
22	Boronated Compounds for Imaging Guided BNCT Applications. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 543-553.	0.9	25
23	Carborane-BODIPY Dyads: New Photoluminescent Materials through an Efficient Heck Coupling. <i>Chemistry - A European Journal</i> , 2018, 24, 15622-15630.	1.7	25
24	LIC-KOR promoted formation of conjugated dienes as useful building blocks for palladium-catalyzed syntheses. <i>Tetrahedron</i> , 2005, 61, 3429-3436.	1.0	24
25	<i>o</i> -Benzenedisulfonimide as a Powerful and Recyclable Organocatalyst for the Nazarov Reaction. <i>Synthesis</i> , 2009, 2009, 2260-2266.	1.2	24
26	Stereochemical Assignment of Strigolactone Analogues Confirms Their Selective Biological Activity. <i>Journal of Natural Products</i> , 2015, 78, 2624-2633.	1.5	24
27	Gold-Catalysed Synthesis of Exocyclic Vinylogous Amides and $\hat{1}$ -Amino Ketones: A Detailed Study on the $5\hat{e}$ -exo/ $6\hat{e}$ -endo Selectivity, Methodology and Scope. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3251-3265.	1.2	23
28	LIC-KOR-Promoted Synthesis of Alkoxydienyl Amines: An Entry to 2,3,4,5-Tetrasubstituted Pyrroles. <i>Organic Letters</i> , 2009, 11, 3914-3917.	2.4	21
29	$\hat{1}$ -Allylpalladium Complexes in Synthesis: An Update. <i>Synthesis</i> , 2019, 51, 1892-1912.	1.2	21
30	In vitro and in vivo BNCT investigations using a carborane containing sulfonamide targeting CAIX epitopes on malignant pleural mesothelioma and breast cancer cells. <i>Scientific Reports</i> , 2020, 10, 19274.	1.6	21
31	Synthesis of Functionalized Trienes and Regioselective Formation of Medium-Ring Lactones through Intramolecular Diels-Alder Reaction. <i>Journal of Organic Chemistry</i> , 1996, 61, 7597-7599.	1.7	20
32	Palladium-catalysed Heck reaction on 1,2-dien-1-ols: a stereoselective synthesis of $\hat{1}$ -arylated $\hat{1},\hat{2}$ -unsaturated aldehydes. <i>Tetrahedron</i> , 2008, 64, 10344-10349.	1.0	20
33	Heck functionalization of an asymmetric aza-BODIPY core: synthesis of far-red infrared probes for bioimaging applications. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 884-893.	1.5	19
34	Heck reaction on protected 3-alkyl-1,2-dien-1-ols: an approach to substituted 3-alkenylindoles, 2-alkoxy-3-alkylidene-2,3-dihydrobenzofuranes and -indolidines. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2020.	1.5	18
35	Cooperative Iodide Pd(0)-Catalysed Coupling of Alkoxyallenes and <i>N</i> -Tosylhydrazones: A Selective Synthesis of Conjugated and Skipped Dienes. <i>Chemistry - A European Journal</i> , 2018, 24, 5484-5488.	1.7	18
36	Synthesis of Highly Functionalized Allylic Alcohols from Vinyl Oxiranes and <i>N</i> -Tosylhydrazones via a Tsuji-Trost-Like $\hat{1}$ -Palladium-Iodide-Catalyzed Coupling. <i>Organic Letters</i> , 2018, 20, 6891-6895.	2.4	18

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37	αβ-Unsaturated Acetals in Synthesis. <i>Current Organic Chemistry</i> , 2003, 7, 821-839.	0.9	18
38	Syntheses of R and S isomers of AF-DX 384, a selective antagonist of muscarinic M ₂ receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 591-600.	1.4	17
39	N-Metalated imines by reaction of 1,1-diethoxybut-2-ene with aromatic nitriles, as useful intermediates for the synthesis of substituted pyrimidines and cyclopentenones. <i>Chemical Communications</i> , 2008, , 1689.	2.2	17
40	A Short and Convenient Synthesis of Enantiopure cis- and trans-4-Hydroxyproline. <i>Synthesis</i> , 2009, 2009, 3611-3616.	1.2	17
41	Visible Light Mediated Photocatalytic <i>in situ</i> -Radical Cascade Reactivity of β,γ -Unsaturated <i>in situ</i> -Arylsulfonylhydrazones: A General Approach to Structurally Diverse Tetrahydropyridazines. <i>Journal of Organic Chemistry</i> , 2021, 86, 3300-3323.	1.7	17
42	Visible Light as the Key for the Formation of Carbon-Sulfur Bonds in Sulfones, Thioethers, and Sulfonamides: An Update. <i>Synthesis</i> , 2021, 53, 3440-3468.	1.2	16
43	Synthesis, characterization and cell viability test of six vanadyl complexes with acetylacetonate derivatives. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 26-37.	1.5	15
44	Design, synthesis and preliminary in-vitro studies of novel boronated monocarbonyl analogues of Curcumin (BMAC) for antitumor and β -amyloid disaggregation activity. <i>Bioorganic Chemistry</i> , 2019, 93, 103324.	2.0	15
45	A Short and Efficient New Synthesis of β -Halo-Substituted β,γ -Unsaturated Acetals and Carbonyl Compounds. <i>Synlett</i> , 1999, 1999, 1841-1843.	1.0	13
46	Polar Organometallic Reagents: an Evergreen Tool for Tuning the Reactivity of Unsaturated Systems. <i>Current Organic Chemistry</i> , 2011, 15, 2390-2412.	0.9	13
47	Mixed metal base LICKOR as key reagent in the synthesis of conjugate alkadien-1-ols. A new route to an insect attractant. <i>Tetrahedron</i> , 1998, 54, 14603-14608.	1.0	12
48	New Metal-Catalyzed Synthesis of Quinoline and Chromene Skeletons. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3451-3456.	1.2	12
49	Visible-Light-Driven Photocatalytic Transformation of β,γ -Unsaturated <i>in situ</i> -Arylsulfonylhydrazones: A Novel Route to Allylic Sulfones. <i>ChemPhotoChem</i> , 2017, 1, 56-59.	1.5	12
50	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.	1.2	12
51	Superbase promoted synthesis of dienamides as useful intermediates for the synthesis of β -ketoamides, β -lactams and cyclic imino ethers. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2535.	1.5	11
52	Evaluation of the dose enhancement of combined ^{10}B + ^{157}Gd neutron capture therapy (NCT). <i>Radiation Protection Dosimetry</i> , 2015, 166, 369-373.	0.4	10
53	A new palladium-catalysed synthesis of 1,1-dialkylbuta-1,3-dienes via organoboron intermediates. <i>Chemical Communications</i> , 2001, , 1536-1537.	2.2	9
54	Palladium-Catalyzed C-C Bond Formation: Synthesis of 1,1-Dialkylbuta-1,3-dienes and β -Phenylstyrenes via Organoboron Intermediates. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 2612-2616.	1.2	9

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55	Towards improved boron neutron capture therapy agents: evaluation of in vitro cellular uptake of a glutamine-functionalized carborane. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 883-890.	1.1	9
56	Intramolecular Diels-Alder reaction of functionalized trienes: synthesis of medium-ring lactones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 881-888.	0.9	7
57	Synthesis of Highly Functionalised Dihydrobenzofurans and Indolines by Palladium-Catalysed Mizoroki-Heck Heteroannulation Cascade Reactions of Alkoxy-1,3-dienes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6990-6997.	1.2	7
58	The hydroboration reaction as a key for a straightforward synthesis of new MRI-NCT agents. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3288-3297.	1.5	7
59	LICKOR-Promoted 1,2-elimination in 1,1-dimethoxy-2-phenylethane and 1,1-dimethoxy-2-phenylpropane: synthesis of substituted enol ethers and alkynes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 2757.	0.9	6
60	Asymmetric Synthesis of Ethoxydienamines in Superbasic Medium Mediated by Chiral Sulfinyl Group. <i>Journal of Organic Chemistry</i> , 2011, 76, 1814-1820.	1.7	6
61	Unconventional approaches for the introduction of sulfur-based functional groups. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6926-6957.	1.5	6
62	Blue light enhanced Heck arylation at room temperature applied to allenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 906-916.	2.3	6
63	Mixed Superbase LICKOR as a Key Reagent for the Synthesis of Conjugate Dienes from Citral and Farnesal - A New Route to a Potential Mimic Agent of Juvenile Hormones by Diels-Alder Cycloaddition. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2143-2147.	1.2	5
64	Preparation of Acetal- and Carbonyl-Substituted Allyl Chlorides from α,β -Unsaturated Acetals. <i>Synthesis</i> , 2000, 2000, 1615-1621.	1.2	5
65	Rapid and Easy Access to α,β -Enynes, α,β -Dienes and Allenes Starting from Propargylic Acetals, Exploiting the Different Reactivity of Lithium and Mixed Lithium-Potassium Organometallic Reagents. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5867-5874.	1.2	5
66	1,3- and 1,2-Unsaturated Derivatives as Valuable Synthetic Tools in Organometallic Syntheses. <i>Current Organic Chemistry</i> , 2010, 14, 230-263.	0.9	5
67	Recent Progresses in the Preparation of Chlorinated Molecules: Electrocatalysis and Photoredox Catalysis in the Spotlight. <i>Reactions</i> , 2022, 3, 233-253.	0.9	5
68	Synthesis of 5-Oxatrienes: Useful Intermediates for the Preparation of Hexahydrobenzofuran Structures by Intramolecular Diels-Alder Reaction. <i>Synthesis</i> , 1998, 1998, 1149-1152.	1.2	4
69	LIC-KOR-PROMOTED ACCESS TO A TETRAHYDROINDANONE PRECURSOR. <i>Synthetic Communications</i> , 2001, 31, 953-960.	1.1	4
70	LIC-KOR promoted nitrene reactivity: stereoselective synthesis of highly conjugated imines and secondary amines. <i>Tetrahedron Letters</i> , 2015, 56, 5791-5794.	0.7	4
71	ESI HRMSn fragmentation pathways of phenazone, an N-heterocyclic drug compound. <i>Journal of Mass Spectrometry</i> , 2011, 46, 782-786.	0.7	3
72	EPR and photophysical characterization of six bioactive oxidovanadium(IV) complexes in the conditions of in vitro cell tests. <i>Journal of Inorganic Biochemistry</i> , 2017, 170, 55-62.	1.5	3

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73	Heck Reaction on 1-Alkoxy-1,3-dienes in Ionic Liquids: A Superior Medium for the Regioselective Arylation of the Conjugated Dienic System. <i>Synlett</i> , 2006, 2006, 2989-2992.	1.0	2
74	Biotinylation of a MRI/Gd BNCT theranostic agent to access a novel tumour-targeted delivery system. <i>Organic and Biomolecular Chemistry</i> , 0, , .	1.5	2
75	Stereoselective Synthesis of Spirocyclic Ketones by Nazarov Reaction. <i>Organic Letters</i> , 2006, 8, 353-353.	2.4	1
76	Effects of Vanadyl Complexes with Acetylacetonate Derivatives on Non-Tumor and Tumor Cell Lines. <i>Molecules</i> , 2021, 26, 5534.	1.7	1
77	$\hat{1}\pm, \hat{1}^2$ -Unsaturated Acetals in Synthesis. <i>ChemInform</i> , 2003, 34, no.	0.1	0
78	Palladium-Catalyzed Heck Reaction on 1-Alkoxy-1,3-dienes: A Regioselective $\hat{1}^3$ -Arylation of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Carbonyl Compounds.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
79	LICKOR Promoted Formation of Conjugated Dienes as Useful Building Blocks for Palladium-Catalyzed Syntheses.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
80	Stereoselective Synthesis of Spirocyclic Ketones by Nazarov Reaction.. <i>ChemInform</i> , 2006, 37, no.	0.1	0