

# Andrea Gualandi

## List of Publications by Year in descending order

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100  
papers

2,817  
citations

159525

30  
h-index

214721

47  
g-index

137  
all docs

137  
docs citations

137  
times ranked

2782  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nickel-Mediated Enantioselective Photoredox Allylation of Aldehydes with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	32
2	Effect of the iodine atom position on the phosphorescence of BODIPY derivatives: a combined computational and experimental study. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 777-786.	1.6	7
3	Acceleration of oxidation promoted by laccase irradiation with red light. <i>New Journal of Chemistry</i> , 2022, 46, 8662-8668.	1.4	1
4	A Photoredox Nozaki-Hiyama Reaction Catalytic in Chromium. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	4
5	Diastereoselective and enantioselective photoredox pinacol coupling promoted by titanium complexes with a red-absorbing organic dye. <i>Chemical Science</i> , 2022, 13, 5973-5981.	3.7	26
6	Dual Photoredox and Nickel Catalysed Reductive Coupling of Alkynes and Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 3410-3419.	2.1	7
7	Tailored Coumarin Dyes for Photoredox Catalysis: Calculation, Synthesis, and Electronic Properties. <i>ChemCatChem</i> , 2021, 13, 981-989.	1.8	10
8	Catalytic Photoredox Allylation of Aldehydes Promoted by a Cobalt Complex. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1105-1111.	2.1	27
9	Boron Compounds as Additives for the Cationic Polymerization Using Coumarin Derivatives in Epoxy Silicones. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000404.	1.1	24
10	Metallaphotoredox catalysis with organic dyes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3527-3550.	1.5	44
11	Photoredox Allylation Reactions Mediated by Bismuth in Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1624-1627.	1.2	15
12	Photoredox Propargylation of Aldehydes Catalytic in Titanium. <i>Journal of Organic Chemistry</i> , 2021, 86, 7002-7009.	1.7	18
13	4-Fluoro-Threonine: From Diastereoselective Synthesis to pH-Dependent Conformational Equilibrium in Aqueous Solution. <i>ACS Omega</i> , 2021, 6, 13170-13181.	1.6	4
14	Hydrogenation of Calix[4]pyrrole: From the Formation to the Synthesis of Calix[4]pyrrolidine. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4444-4464.	1.2	7
15	Design of BODIPY dyes as triplet photosensitizers: electronic properties tailored for solar energy conversion, photoredox catalysis and photodynamic therapy. <i>Chemical Science</i> , 2021, 12, 6607-6628.	3.7	155
16	Aluminum(III) Salen Complexes as Active Photoredox Catalysts. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1486-1490.	1.2	24
17	Asymmetric Reactions Enabled by Cooperative Enantioselective Amino- and Lewis Acid Catalysis. <i>Topics in Current Chemistry</i> , 2020, 378, 1.	3.0	74
18	A supramolecular bifunctional iridium photoaminocatalyst for the enantioselective alkylation of aldehydes. <i>Dalton Transactions</i> , 2020, 49, 14497-14505.	1.6	4

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19	Shining Light on Ti <sup>IV</sup> Complexes: Exceptional Tools for Metallaphotoredox Catalysis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6955-6965.	1.2	37
20	A Journey from Thermally Tunable Synthesis to Spectroscopy of Phenylmethanimine in Gas Phase and Solution. <i>Chemistry - A European Journal</i> , 2020, 26, 15016-15022.	1.7	7
21	Keto-coumarin scaffold for photoinitiators for 3D printing and photocomposites. <i>Journal of Polymer Science</i> , 2020, 58, 1115-1129.	2.0	49
22	Cp <sub>2</sub> TiCl <sub>2</sub> -Catalyzed Photoredox Allylation of Aldehydes with Visible Light. <i>ACS Catalysis</i> , 2020, 10, 3857-3863.	5.5	55
23	Stereoselective synergistic organo photoredox catalysis with enamines and iminiums. <i>Physical Sciences Reviews</i> , 2020, 5, .	0.8	4
24	Asymmetric Reactions Enabled by Cooperative Enantioselective Amino <sup>+</sup> and Lewis Acid Catalysis. <i>Topics in Current Chemistry Collections</i> , 2020, , 29-65.	0.2	0
25	Coumarin derivatives as versatile photoinitiators for 3D printing, polymerization in water and photocomposite synthesis. <i>Polymer Chemistry</i> , 2019, 10, 872-884.	1.9	100
26	Al(Salen) Metal Complexes in Stereoselective Catalysis. <i>Molecules</i> , 2019, 24, 1716.	1.7	33
27	Allylation of aldehydes by dual photoredox and nickel catalysis. <i>Chemical Communications</i> , 2019, 55, 6838-6841.	2.2	40
28	Mapping Conformational Changes in a Self-Assembled Two-Dimensional Molecular Network by Statistical Analysis of Conductance Images. <i>Physical Review Applied</i> , 2019, 11, .	1.5	1
29	Highly Performing Iodoperfluoroalkylation of Alkenes Triggered by the Photochemical Activity of Perylene Diimides. <i>ChemPhotoChem</i> , 2019, 3, 193-197.	1.5	37
30	Other Nitrogen Heterocycles: Carbazoles, Imides and PDI, mpg-C <sub>3</sub> N <sub>4</sub> , Tetrazines, Riboflavin, and BODIPY. <i>Catalytic Science Series</i> , 2019, , 423-469.	0.6	0
31	A facile hydroxylation of arylboronic acids mediated by sodium ascorbate. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1573-1578.	2.3	27
32	Mechanistic insights into two-photon-driven photocatalysis in organic synthesis. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8071-8076.	1.3	69
33	Phenoxyaluminum(salophen) Scaffolds: Synthesis, Electrochemical Properties, and Self-Assembly at Surfaces of Multifunctional Systems. <i>Chemistry - A European Journal</i> , 2018, 24, 11954-11960.	1.7	12
34	Theory Meets Experiment for Noncovalent Complexes: The Puzzling Case of Pnicogen Interactions. <i>Angewandte Chemie</i> , 2018, 130, 14049-14053.	1.6	7
35	Catalytic Stereoselective S <sub>N</sub> 1-Type Reactions Promoted by Chiral Phosphoric Acids as Brønsted Acid Catalysts. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1957-1981.	1.3	42
36	Application of coumarin dyes for organic photoredox catalysis. <i>Chemical Communications</i> , 2018, 54, 10044-10047.	2.2	64

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37	Theory Meets Experiment for Noncovalent Complexes: The Puzzling Case of Phycogen Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13853-13857.	7.2	60
38	Self-Assembled Two-Dimensional Supramolecular Networks Characterized by Scanning Tunneling Microscopy and Spectroscopy in Air and under Vacuum. <i>Langmuir</i> , 2018, 34, 7698-7707.	1.6	4
39	Iron-Promoted Radical Reactions: Current Status and Perspectives. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1160-1179.	1.3	27
40	Stereoselective SN1-Type Reaction of Enols and Enolates. <i>Synthesis</i> , 2017, 49, 3433-3443.	1.2	22
41	Photocatalytic ATRA reaction promoted by iodo-Bodipy and sodium ascorbate. <i>Chemical Communications</i> , 2017, 53, 1591-1594.	2.2	79
42	Photocatalytic Radical Alkylation of Electrophilic Olefins by Benzylic and Alkyl Zinc-Sulfonates. <i>ACS Catalysis</i> , 2017, 7, 5357-5362.	5.5	41
43	Photoredox radical conjugate addition of dithiane-2-carboxylate promoted by an iridium(III) phenyl-tetrazole complex: a formal radical methylation of Michael acceptors. <i>Chemical Science</i> , 2017, 8, 1613-1620.	3.7	45
44	Stereoselective Reactions with Chiral Schiff Base Metal Complexes. <i>Chimia</i> , 2017, 71, 562.	0.3	11
45	Organocatalytic Stereoselective Addition of Aldehydes to Acylquinolinium Ions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3200-3207.	1.2	23
46	Octa-1,7-diene-4,5-diamine Derivatives: Useful Intermediates for the Stereoselective Synthesis of Nitrogen Heterocycles and Ligands for Asymmetric Catalysis. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3143-3156.	1.2	5
47	From QCA (Quantum Cellular Automata) to Organocatalytic Reactions with Stabilized Carbenium Ions. <i>Chemical Record</i> , 2016, 16, 1228-1243.	2.9	11
48	Molecular design driving tetraporphyrin self-assembly on graphite: a joint STM, electrochemical and computational study. <i>Nanoscale</i> , 2016, 8, 13678-13686.	2.8	19
49	Substrate induced diastereoselective hydrogenation/reduction of arenes and heteroarenes. <i>RSC Advances</i> , 2016, 6, 18419-18451.	1.7	32
50	A Versatile Organocatalytic Approach for the Synthesis of Enantioenriched gem-Difluorinated Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 13689-13695.	1.7	9
51	Me <sub>2</sub> Zn-Mediated Catalytic Enantio- and Diastereoselective Addition of TosMIC to Ketones. <i>Chemistry - A European Journal</i> , 2015, 21, 18949-18952.	1.7	18
52	Organocatalytic enantioselective synthesis of 1-vinyl tetrahydroisoquinolines through allenamide activation with chiral Brønsted acids. <i>RSC Advances</i> , 2015, 5, 10546-10550.	1.7	19
53	Organocatalyzed Asymmetric Alkylation of Stable Aryl or Heteroaryl(3-indolyl)methylium cations-Benzenedisulfonimides. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 337-345.	1.3	12
54	Stereoselective Organocatalytic Addition of Nucleophiles to Isoquinolinium and 3,4-dihydroisoquinolinium Ions: A Simple Approach for the Synthesis of Isoquinoline Alkaloids. <i>Catalysis Letters</i> , 2015, 145, 398-419.	1.4	23

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55	Synthesis of Bench-Stable Diarylmethylum Tetrafluoroborates. <i>Journal of Organic Chemistry</i> , 2015, 80, 4791-4796.	1.7	21
56	Organocatalytic Enantioselective Alkylation of Aldehydes with [Fe(bpy) <sub>3</sub> ]Br <sub>2</sub> Catalyst and Visible Light. <i>ACS Catalysis</i> , 2015, 5, 5927-5931.	5.5	148
57	Synergistic Stereoselective Organocatalysis with Indium(III) Salts. <i>Synthesis</i> , 2014, 46, 1321-1328.	1.2	12
58	A Catalytic Reactor for the Organocatalyzed Enantioselective Continuous Flow Alkylation of Aldehydes. <i>ChemSusChem</i> , 2014, 7, 3534-3540.	3.6	28
59	A Practical and Stereoselective Organocatalytic Alkylation of Aldehydes with Benzodithiolium Tetrafluoroborate. <i>Chirality</i> , 2014, 26, 607-613.	1.3	7
60	Synergy, Compatibility, and Innovation: Merging Lewis Acids with Stereoselective Enamine Catalysis. <i>Chemistry - an Asian Journal</i> , 2014, 9, 984-995.	1.7	61
61	A highly enantioselective acyl-Mannich reaction of isoquinolines with aldehydes promoted by proline derivatives: an approach to 13-alkyl-tetrahydroprotoberberine alkaloids. <i>Chemical Science</i> , 2014, 5, 3915.	3.7	70
62	A Straightforward Organocatalytic Alkylation of 2-Arylacetaldehydes: An Approach towards Bisabolanes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 528-536.	2.1	20
63	A Rotaxane Turing Machine for Peptides. <i>ChemBioChem</i> , 2013, 14, 1185-1187.	1.3	10
64	A Highly Stereoselective Organocatalytic Approach to Lilial <sup>®</sup> and Muguesia. <i>Synlett</i> , 2013, 24, 449-452.	1.0	19
65	Stereoselective Organocatalytic Alkylations with Carbenium Ions. <i>Synlett</i> , 2013, 24, 281-296.	1.0	15
66	The Facile and Direct Formylation of Organoboron Aromatic Compounds with Benzodithiolium Tetrafluoroborate. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4909-4917.	1.2	13
67	Direct and Stereoselective Alkylation of Nitro Derivatives with Activated Alcohols in Trifluoroethanol. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6697-6701.	1.2	25
68	A general stereoselective enamine mediated alkylation of $\beta$ -substituted aldehydes. <i>Chemical Communications</i> , 2012, 48, 3614.	2.2	49
69	Indium(III)-Promoted Organocatalytic Enantioselective $\beta$ -Alkylation of Aldehydes with Benzylic and Benzhydrylic Alcohols. <i>Asian Journal of Organic Chemistry</i> , 2012, 1, 38-42.	1.3	26
70	Organocatalytic Stereoselective $\beta$ -Formylation of Ketones. <i>ChemCatChem</i> , 2012, 4, 968-971.	1.8	13
71	Catalytic Epoxidation of Alkenes by the Manganese Complex of a Reduced Porphyrinogen Macrocyclic. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 428-440.	2.1	22
72	C-hexaphenyl-substituted triethylamine as a chiral solvating agent for carboxylic acids. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4234.	1.5	37

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73	Pyrrole Macrocyclic Ligands for Cu-Catalyzed Asymmetric Henry Reactions. <i>Journal of Organic Chemistry</i> , 2011, 76, 3399-3408.	1.7	46
74	Enantio and Diastereoselective Addition of Phenylacetylene to Racemic $\hat{\pm}$ -chloro ketones. <i>Molecules</i> , 2011, 16, 5298-5314.	1.7	6
75	Atroposelective Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3847-3849.	7.2	38
76	Highly Enantioselective $\hat{\pm}$ -Alkylation of Aldehydes with 1,3-Benzodithiolium Tetrafluoroborate: A Formal Organocatalytic $\hat{\pm}$ -Alkylation of Aldehydes by the Carbenium Ion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7842-7846.	7.2	85
77	Inside Cover: Highly Enantioselective $\hat{\pm}$ -Alkylation of Aldehydes with 1,3-Benzodithiolium Tetrafluoroborate: A Formal Organocatalytic $\hat{\pm}$ -Alkylation of Aldehydes by the Carbenium Ion ( <i>Angew.</i> ) Tj ETQq 1.1 0.784314 rgBT	7.2	85
78	$S_N2$ Type Reactions in the Presence of Water: Indium(III)-Promoted Highly Enantioselective Organocatalytic Propargylation of Aldehydes. <i>Chemistry - A European Journal</i> , 2011, 17, 7404-7408.	1.7	73
79	Allylic alcohols: Valuable synthetic equivalents of non-activated alkenes in gold-catalyzed enantioselective alkylation of indoles. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 338-347.	0.8	58
80	Asymmetric Synthesis of 1-Substituted 1,2,3,4-Tetrahydropyrrolo[1,2-a]pyrazines. <i>Synthesis</i> , 2011, 2011, 909-918.	1.2	1
81	Creating Chemical Diversity in Indole Compounds by Merging Au and Ru Catalysis. <i>ChemCatChem</i> , 2010, 2, 661-665.	1.8	30
82	Catalytic Hydrogenation of <i>meso</i> -Octamethylporphyrinogen (Calix[4]pyrrole). <i>Chemistry - A European Journal</i> , 2010, 16, 4224-4230.	1.7	16
83	Stereoselective synthesis of substituted 1,2-ethylenediaziridines and their use as ligands in palladium-catalyzed asymmetric allylic alkylation. <i>Tetrahedron</i> , 2010, 66, 715-720.	1.0	11
84	Asymmetric Synthesis of 3,4-Diaminocyclohexanol and endo-7-Azabicyclo[2.2.1]heptan-2-amine. <i>Organic Letters</i> , 2010, 12, 4964-4967.	2.4	6
85	Stereoselective synthesis of ring C-hexasubstituted trianglamines. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3992.	1.5	17
86	Diastereoselective Addition of Organometallic Reagents to Diimines Derived from (R,R)-1,2-Diaminocyclohexane and Aromatic Aldehydes. <i>Letters in Organic Chemistry</i> , 2009, 6, 434-438.	0.2	3
87	Rhodium/Graphite-Catalyzed Hydrogenation of Carbocyclic and Heterocyclic Aromatic Compounds. <i>Synthesis</i> , 2009, 2009, 2440-2446.	1.2	5
88	Chiral Perazamacrocycles: Synthesis and Applications. Part 2. <i>Current Organic Synthesis</i> , 2009, 6, 119-142.	0.7	16
89	Chiral Perazamacrocycles: Synthesis and Applications. Part 1. <i>Current Organic Synthesis</i> , 2009, 6, 102-118.	0.7	13
90	Asymmetric Synthesis of 8-Aminoindolizidine from Chiral 2-Pyrroleimines. <i>Journal of Organic Chemistry</i> , 2008, 73, 8376-8381.	1.7	24

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91	Asymmetric Synthesis of 1-(2-Pyrrolyl)alkylamines by the Addition of Organometallic Reagents to Chiral 2-Pyrrolineimines. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5573-5582.	1.2	10
92	Stereoselective synthesis of substituted 2,5-diazabicyclo[2.2.1]heptanes by iodine-mediated cyclization of optically pure compounds containing the 4,5-diamino-1,7-octadiene and 1,2-diamino-4-alkene moieties. <i>Tetrahedron</i> , 2007, 63, 12446-12453.	1.0	10
93	Asymmetric Route to Pyridines Bearing a Highly Functionalized 2-Alkyl Substituent by Aziridine Ring-Opening Reactions. <i>Journal of Organic Chemistry</i> , 2007, 72, 3859-3862.	1.7	20
94	Asymmetric Synthesis of 2-(2-Pyridyl)aziridines from 2-Pyridineimines Bearing Stereogenic N-Alkyl Substituents and Regioselective Opening of the Aziridine Ring. <i>Journal of Organic Chemistry</i> , 2006, 71, 9373-9381.	1.7	38
95	Highly Diastereoselective Synthesis of 2,6-Di[1-(2-alkylaziridin-1-yl)alkyl]pyridines, Useful Ligands in Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1883-1893.	2.1	21
96	Solvation-dependent diastereofacial selectivity: addition of lithioacetonitrile to 2-phenyl propanal. <i>Tetrahedron</i> , 2005, 61, 69-75.	1.0	6
97	Engineered phenylalanine dehydrogenase in organic solvents: homogeneous and biphasic enzymatic reactions. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 4316.	1.5	25
98	Can the $\pi$ -Facial Selectivity of Solvation Be Predicted by Atomistic Simulation?. <i>Journal of the American Chemical Society</i> , 2005, 127, 10699-10706.	6.6	27
99	Chemo- and Enzyme-Catalyzed Reactions Revealing a Common Temperature-Dependent Dynamic Solvent Effect on Enantioselectivity. <i>Helvetica Chimica Acta</i> , 2003, 86, 3548-3559.	1.0	31
100	Nickel-Mediated Enantioselective Photoredox Allylation of Aldehydes with Visible Light. <i>Angewandte Chemie</i> , 0, , .	1.6	8