

# Nelu Grinberg

## List of Publications by Year in descending order

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82  
papers

2,815  
citations

136950

32  
h-index

206112

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91  
all docs

91  
docs citations

91  
times ranked

2557  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfone-Mediated S <sub>N</sub> Ar Reaction as a Powerful Tool for the Synthesis of 4-Quinolinyloxy Ethers and More—Application to the Synthesis of HCV NS3/4a Protease Inhibitor <b>BI 201420</b> . <i>Journal of Organic Chemistry</i> , 2020, 85, 8339-8351.	3.2	9
2	Enantioselective Synthesis of 4-Methyl-3,4-dihydroisocoumarin via Asymmetric Hydroformylation of Styrene Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 4915-4920.	3.2	16
3	Copper-catalyzed asymmetric hydrogenation of 2-substituted ketones via dynamic kinetic resolution. <i>Chemical Science</i> , 2018, 9, 4505-4510.	7.4	46
4	Development of a Scalable, Chromatography-Free Synthesis of <i>t</i> -Bu-SMS-Phos and Application to the Synthesis of an Important Chiral CF <sub>3</sub> -Alcohol Derivative with High Enantioselectivity Using Rh-Catalyzed Asymmetric Hydrogenation. <i>Journal of Organic Chemistry</i> , 2018, 83, 1448-1461.	3.2	18
5	BABIPhos Family of Biaryl Dihydrobenzoxaphosphole Ligands for Asymmetric Hydrogenation. <i>Organic Letters</i> , 2018, 20, 1725-1729.	4.6	18
6	Computationally Assisted Mechanistic Investigation and Development of Pd-Catalyzed Asymmetric Suzuki–Miyaura and Negishi Cross-Coupling Reactions for Tetra-ortho-Substituted Biaryl Synthesis. <i>ACS Catalysis</i> , 2018, 8, 10190-10209.	11.2	70
7	Synthesis of <i>P</i> -Chiral Dihydrobenzoxaphosphole Core for BI Ligands in Asymmetric Transformations. <i>Journal of Organic Chemistry</i> , 2017, 82, 5456-5460.	3.2	14
8	Enantioselective Nickel-Catalyzed Mizoroki–Heck Cyclizations To Generate Quaternary Stereocenters. <i>Organic Letters</i> , 2017, 19, 3338-3341.	4.6	54
9	P-Stereogenic Chiral Phosphine–Palladium Complex Catalyzed Enantioselective Synthesis of Phosphorylated Substituted Atropisomeric Vinylarenes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3927-3933.	4.3	19
10	Early Development Scale-Up of a Structurally-Challenging 5-Lipoxygenase Activating Protein (FLAP) Inhibitor. <i>Organic Process Research and Development</i> , 2017, 21, 1427-1434.	2.7	9
11	Nickel-catalyzed C-3 direct arylation of pyridinium ions for the synthesis of 1-azafluorenes. <i>Chemical Science</i> , 2016, 7, 5581-5586.	7.4	18
12	An Enantioselective Synthesis of an 11- $\beta$ -HSD-1 Inhibitor via an Asymmetric Methallylation Catalyzed by ( <i>S</i> )-3,3'-difluoro-BINOL. <i>Journal of Organic Chemistry</i> , 2016, 81, 2665-2669.	3.2	15
13	Construction of Quaternary Stereocenters by Nickel-Catalyzed Heck Cyclization Reactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11921-11924.	13.8	58
14	Construction of Quaternary Stereocenters by Nickel-Catalyzed Heck Cyclization Reactions. <i>Angewandte Chemie</i> , 2016, 128, 12100-12103.	2.0	18
15	Reengineered BIDENTATE Ligand Core Based on Computer Modeling to Increase Selectivity in Asymmetric Suzuki–Miyaura Coupling for the Challenging Axially Chiral HIV Integrase Inhibitor. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3522-3527.	4.3	18
16	Synthesis of Enantioenriched 2-Alkyl Piperidine Derivatives through Asymmetric Reduction of Pyridinium Salts. <i>Organic Letters</i> , 2016, 18, 4920-4923.	4.6	46
17	Rhodium-Catalyzed Asymmetric Allenylation of Sulfonylimines and Application to the Stereospecific Allylic Allenylation. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3062-3068.	4.3	18
18	Copper-Catalyzed Asymmetric Propargylation of Cyclic Aldimines. <i>Organic Letters</i> , 2016, 18, 6192-6195.	4.6	47

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19	Ligand-Accelerated Stereoretentive Suzuki–Miyaura Coupling of Unprotected 3,3'-Dibromo-BINOL. <i>Journal of Organic Chemistry</i> , 2016, 81, 745-750.	3.2	24
20	Synthesis of <i>P</i> -Chiral Dihydrobenzooxaphospholes Through Negishi Cross-Coupling. <i>Journal of Organic Chemistry</i> , 2016, 81, 729-736.	3.2	14
21	Development of an Efficient Synthesis of (2-Aminopyrimidin-5-yl) Boronic Acid. <i>Organic Process Research and Development</i> , 2016, 20, 95-99.	2.7	6
22	Concise and Practical Asymmetric Synthesis of a Challenging Atropisomeric HIV Integrase Inhibitor. <i>Angewandte Chemie</i> , 2015, 127, 7250-7254.	2.0	35
23	Efficient Asymmetric Synthesis of Structurally Diverse $\beta$ -Stereogenic Phosphinamides for Catalyst Design. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5474-5477.	13.8	71
24	Development of an Asymmetric Synthesis of a Chiral Quaternary FLAP Inhibitor. <i>Journal of Organic Chemistry</i> , 2015, 80, 1651-1660.	3.2	20
25	Concise and Practical Asymmetric Synthesis of a Challenging Atropisomeric HIV Integrase Inhibitor. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7144-7148.	13.8	50
26	A General Method for Imine Formation Using $B(OCH_2)_2CF_3$ . <i>Organic Letters</i> , 2015, 17, 2442-2445.	4.6	76
27	Revisiting large volume injection in non-miscible diluents: an on-line reversed phase supported liquid extraction/liquid chromatography scenario. <i>Analytical Methods</i> , 2015, 7, 342-352.	2.7	1
28	Amine-Tunable Ruthenium Catalysts for Asymmetric Reduction of Ketones. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 301-307.	4.3	42
29	A Mild Dihydrobenzooxaphosphole Oxazoline/Iridium Catalytic System for Asymmetric Hydrogenation of Unfunctionalized Dialins. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14428-14432.	13.8	41
30	Remarkable Enhancement of Enantioselectivity in the Asymmetric Conjugate Addition of Dimethylzinc to $\alpha$ -Nitroalkenes with a Catalytic $[(MeCN)_4Cu]PF_6$ "Hoveyda Ligand Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12153-12157.	13.8	21
31	Addressing the Configuration Stability of Lithiated Secondary Benzylic Carbamates for the Development of a Noncryogenic Stereospecific Boronate Rearrangement. <i>Organic Letters</i> , 2014, 16, 4360-4363.	4.6	19
32	Development of New <i>P</i> -Chiral $\beta$ -Dihydrobenzooxaphosphole Hybrid Ligands for Asymmetric Catalysis. <i>Organic Letters</i> , 2014, 16, 5494-5497.	4.6	31
33	Facile Entry to an Efficient and Practical Enantioselective Synthesis of a Polycyclic Cholesteryl Ester Transfer Protein Inhibitor. <i>Organic Letters</i> , 2014, 16, 4142-4145.	4.6	10
34	A Scalable and Regioselective Synthesis of 2-Difluoromethyl Pyridines from Commodity Chemicals. <i>Organic Letters</i> , 2014, 16, 1724-1727.	4.6	18
35	General and Rapid Pyrimidine Condensation by Addressing the Rate Limiting Aromatization. <i>Organic Letters</i> , 2014, 16, 2834-2837.	4.6	27
36	Tuning the Peri Effect for Enantioselectivity: Asymmetric Hydrogenation of Unfunctionalized Olefins with the BIPI Ligands. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1455-1463.	4.3	34

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37	Efficient Asymmetric Synthesis of <i>P</i> -Chiral Phosphine Oxides via Properly Designed and Activated Benzoxazaphosphinine-2-oxide Agents. <i>Journal of the American Chemical Society</i> , 2013, 135, 2474-2477.	13.7	138
38	Copper-Catalyst-Controlled Site-Selective Allenylation of Ketones and Aldehydes with Propargyl Boronates. <i>Organic Letters</i> , 2013, 15, 1214-1217.	4.6	26
39	[2,3]-Sigmatropic Rearrangements of 2-Phosphineborane 2-Propen-1-ols: Rapid Access to Enantioenriched Diphosphine Monoxide Derivatives. <i>Organic Letters</i> , 2013, 15, 1136-1139.	4.6	8
40	Hydrophosphination of Propargylic Alcohols and Amines with Phosphine Boranes. <i>Organic Letters</i> , 2013, 15, 1132-1135.	4.6	15
41	Development of a Large Scale Asymmetric Synthesis of the Glucocorticoid Agonist BI 653048 BS H <sub>3</sub> PO <sub>4</sub> . <i>Journal of Organic Chemistry</i> , 2013, 78, 3616-3635.	3.2	39
42	Asymmetric Methallylation of Ketones Catalyzed by a Highly Active Organocatalyst 3,3'-F <sub>2</sub> -BINOL. <i>Organic Letters</i> , 2013, 15, 1710-1713.	4.6	49
43	Zinc Catalyzed and Mediated Asymmetric Propargylation of Trifluoromethyl Ketones with a Propargyl Boronate. <i>Journal of Organic Chemistry</i> , 2013, 78, 3592-3615.	3.2	47
44	Assay at low ppm level of dimethyl sulfate in starting materials for API synthesis using derivatization in ionic liquid media and LC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 75, 1-6.	2.8	13
45	Heart-Cutting Two-Dimensional Ultrahigh-Pressure Liquid Chromatography for Process Development: Asymmetric Reaction Monitoring. <i>Organic Process Research and Development</i> , 2013, 17, 806-810.	2.7	9
46	Design and Synthesis of Chiral Oxathiozinone Scaffolds: Efficient Synthesis of Hindered Enantiopure Sulfinamides and Sulfinyl Ketimines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6713-6717.	13.8	33
47	Study of enantioselectivity on an immobilized amylose carbamate stationary phase under subcritical fluid chromatography. <i>Journal of Separation Science</i> , 2013, 36, 3941-3948.	2.5	12
48	Asymmetric Synthesis of Sulfinamides Using (âˆ™)-Quinine as Chiral Auxiliary. <i>Journal of Organic Chemistry</i> , 2012, 77, 690-695.	3.2	25
49	Preparative Synthesis via Continuous Flow of 4,4,5,5-Tetramethyl-2-(3-trimethylsilyl-2-propynyl)-1,3,2-dioxaborolane: A General Propargylation Reagent. <i>Organic Process Research and Development</i> , 2012, 16, 1131-1140.	2.7	23
50	Practical Large-Scale Synthesis of the Hepatitis C Virus Protease Inhibitor BI-201335. <i>Asian Journal of Organic Chemistry</i> , 2012, 1, 80-89.	2.7	11
51	A General Copper-BINAP-Catalyzed Asymmetric Propargylation of Ketones with Propargyl Boronates. <i>Journal of the American Chemical Society</i> , 2011, 133, 10332-10335.	13.7	68
52	Enantioselective Synthesis of Diverse Sulfinamides and Sulfinylferrocenes from Phenylglycine-Derived Chiral Sulfinyl Transfer Agent. <i>Journal of Organic Chemistry</i> , 2011, 76, 5480-5484.	3.2	24
53	Novel, Tunable, and Efficient Chiral Bisdihydrobenzoxaphosphole Ligands for Asymmetric Hydrogenation. <i>Organic Letters</i> , 2010, 12, 176-179.	4.6	139
54	Large-Scale Asymmetric Synthesis of a Cathepsin S Inhibitor. <i>Journal of Organic Chemistry</i> , 2010, 75, 1155-1161.	3.2	38

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55	Directly Probing the Racemization of Imidazolines by Vibrational Circular Dichroism: Kinetics and Mechanism. <i>Organic Letters</i> , 2010, 12, 2782-2785.	4.6	10
56	SAMPLE PREPARATION FOR TRACE ANALYSIS BY CHROMATOGRAPHIC METHODS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1174-1207.	1.0	20
57	Novel and Efficient Chiral Bisphosphorus Ligands for Rhodium-Catalyzed Asymmetric Hydrogenation. <i>Organic Letters</i> , 2010, 12, 1104-1107.	4.6	83
58	An improved method of amide synthesis using acyl chlorides. <i>Tetrahedron Letters</i> , 2009, 50, 2964-2966.	1.4	57
59	Palladium-catalyzed aminocarbonylation of heteroaryl halides using di-tert-butylphosphinoferrocene. <i>Tetrahedron Letters</i> , 2009, 50, 6126-6129.	1.4	26
60	Chromatographic and spectroscopic studies on the chiral recognition of sulfated $\beta$ -cyclodextrin as chiral mobile phase additive. <i>Journal of Chromatography A</i> , 2009, 1216, 1232-1240.	3.7	44
61	Ambient Temperature Hydrophosphination of Internal, Unactivated Alkynes and Allenyl Phosphineoxides with Phosphine Borane Complexes. <i>Organic Letters</i> , 2009, 11, 5594-5597.	4.6	45
62	HPLC ENANTIOMERIC SEPARATION OF AROMATIC AMINES USING CROWN ETHER TETRACARBOXYLIC ACID. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 33, 153-166.	1.0	9
63	Vibrational circular dichroism of amylose carbamate: structure and solvent-induced conformational changes. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2111-2114.	1.8	44
64	Reduction of Tertiary Phosphine Oxides with DIBAL-H. <i>Journal of Organic Chemistry</i> , 2008, 73, 1524-1531.	3.2	103
65	Asymmetric Hydrogenation of Unsaturated Ureas with the BIPI Ligands. <i>Organic Letters</i> , 2008, 10, 341-344.	4.6	51
66	On the Racemization of Chiral Imidazolines. <i>Journal of Organic Chemistry</i> , 2008, 73, 9756-9761.	3.2	11
67	Development of an Asymmetric Acetate Aldol Reaction with a Trifluoromethyl Ketone. <i>Organic Process Research and Development</i> , 2007, 11, 534-538.	2.7	11
68	A Superior Method for the Reduction of Secondary Phosphine Oxides. <i>Organic Letters</i> , 2005, 7, 4277-4280.	4.6	134
69	A Rapid Catalytic Asymmetric Synthesis of 1,3,4-Trisubstituted Pyrrolidines.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
70	A rapid catalytic asymmetric synthesis of 1,3,4-trisubstituted pyrrolidines. <i>Tetrahedron Letters</i> , 2004, 45, 3265-3268.	1.4	29
71	The Analysis of Synthetic Organic, Neutral Polymers Using Nonaqueous Capillary Gel Electrophoresis (NACGE). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 939-964.	1.0	13
72	Size-exclusion capillary electrochromatographic separation of polysaccharides using polymeric stationary phases. <i>Electrophoresis</i> , 2003, 24, 1753-1763.	2.4	12

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73	Nonaqueous Capillary Electrochromatographic Separation of Synthetic Neutral Polymers by Size Exclusion Chromatography Using Polymeric Stationary Phases. <i>Analytical Chemistry</i> , 2002, 74, 617-625.	6.5	15
74	Capillary electrochromatography: An alternative to HPLC and CE. <i>Journal of Separation Science</i> , 2002, 25, 935-958.	2.5	77
75	Enantiomeric separation of dansyl amino acids using MECC with a ligand exchange mechanism. <i>Journal of Separation Science</i> , 1996, 8, 323-329.	1.0	43
76	Mechanistic Aspects of the Stereospecific Interaction for Aminoindanol with a Crown Ether Column. <i>Analytical Chemistry</i> , 1995, 67, 1580-1587.	6.5	36
77	Kinetic Analysis and Subambient Temperature Chromatography of an Active Ester. <i>Analytical Chemistry</i> , 1995, 67, 2292-2295.	6.5	14
78	Chiral separations using an immobilized protein-dextran polymer network in affinity capillary electrophoresis. <i>Journal of Chromatography A</i> , 1993, 652, 247-252.	3.7	58
79	Flow injection determination of Triton X-100 with on-line solid-phase extraction. <i>Analyst</i> , 1992, 117, 767.	3.5	6
80	Enantiomeric separation of underivatized $\alpha$ -methyl- $\alpha$ -amino acids by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1985, 318, 117-121.	3.7	22
81	Thin-layer chromatographic separations using a temperature gradient. <i>Journal of Chromatography A</i> , 1985, 333, 69-81.	3.7	10
82	Enantiomeric separation of Dns-amino acids by reversed-phase thin layer chromatography. <i>Journal of Chromatography A</i> , 1984, 303, 251-255.	3.7	39