

Norberto Gabriel Lemcoff

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7781206/publications.pdf>

Version: 2024-02-01

87
papers

3,397
citations

159585

30
h-index

155660

55
g-index

103
all docs

103
docs citations

103
times ranked

2714
citing authors

#	ARTICLE	IF	CITATIONS
1	Intramolecular Cross-Linking Methodologies for the Synthesis of Polymer Nanoparticles. <i>Chemical Reviews</i> , 2016, 116, 878-961.	47.7	321
2	Water in N-Heterocyclic Carbene-Assisted Catalysis. <i>Chemical Reviews</i> , 2015, 115, 4607-4692.	47.7	216
3	Synthetic hosts via molecular imprinting—are universal synthetic antibodies realistically possible?. <i>Chemical Communications</i> , 2004, , 5-14.	4.1	193
4	A Thermally Switchable Latent Ruthenium Olefin Metathesis Catalyst. <i>Organometallics</i> , 2008, 27, 811-813.	2.3	148
5	Photoactivation of Ruthenium Olefin Metathesis Initiators. <i>Organometallics</i> , 2009, 28, 4652-4655.	2.3	111
6	Chelating alkylidene ligands as pacifiers for ruthenium catalysed olefin metathesis. <i>Dalton Transactions</i> , 2012, 41, 32-43.	3.3	105
7	Predicting the <i>Cis</i> / <i>Trans</i> Dichloro Configuration of Group 15~16 Chelated Ruthenium Olefin Metathesis Complexes: A DFT and Experimental Study. <i>Inorganic Chemistry</i> , 2009, 48, 10819-10825.	4.0	98
8	Latent sulfur chelated ruthenium catalysts: Steric acceleration effects on olefin metathesis. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2200-2203.	1.8	87
9	The Versatile Alkylidene Moiety in Ruthenium Olefin Metathesis Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4185-4203.	2.0	85
10	Studies on Electronic Effects in σ -Nac and π -Chelated Ruthenium Olefin Metathesis Catalysts. <i>Chemistry - A European Journal</i> , 2010, 16, 8726-8737.	3.3	82
11	Polycyclooctadiene Complexes of Rhodium(I): Direct Access to Organometallic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5767-5770.	13.8	81
12	Organic Nanoparticles Whose Size and Rigidity Are Finely Tuned by Cross-Linking the End Groups of Dendrimers. <i>Journal of the American Chemical Society</i> , 2004, 126, 11420-11421.	13.7	74
13	Fluorescent Self-Healing Carbon Dot/Polymer Gels. <i>ACS Nano</i> , 2019, 13, 1433-1442.	14.6	73
14	Widening the Latency Gap in Chelated Ruthenium Olefin Metathesis Catalysts. <i>Organometallics</i> , 2011, 30, 3430-3437.	2.3	71
15	A general approach to mono- and bimetallic organometallic nanoparticles. <i>Chemical Science</i> , 2014, 5, 4196-4203.	7.4	70
16	Light-induced olefin metathesis. <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, 1106-1119.	2.2	67
17	A latent π -chelated ruthenium benzylidene initiator for ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4209-4213.	2.3	63
18	Practical synthesis of water-soluble organic nanoparticles with a single reactive group and a functional carrier scaffold. <i>Chemical Science</i> , 2014, 5, 2862-2868.	7.4	63

#	ARTICLE	IF	CITATIONS
19	Ligand Isomerization in Sulfur-Chelated Ruthenium Benzylidenes. <i>Organometallics</i> , 2011, 30, 1607-1615.	2.3	61
20	Catalytic Chameleon Dendrimers. <i>Journal of the American Chemical Society</i> , 2011, 133, 14359-14367.	13.7	52
21	On the Nature of Dendrimer Cross-Linking by Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 13576-13577.	13.7	51
22	Highly Selective Olefin Metathesis with CAAC-Containing Ruthenium Benzylidenes. <i>ACS Catalysis</i> , 2017, 7, 7634-7637.	11.2	43
23	Turning the Light On: Recent Developments in Photoinduced Olefin Metathesis. <i>Synthesis</i> , 2018, 50, 49-63.	2.3	43
24	Latent and Switchable Olefin Metathesis Catalysts. <i>Macromolecular Symposia</i> , 2010, 293, 33-38.	0.7	41
25	Homodinuclear Ruthenium Catalysts for Dimer Ring-Closing Metathesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6422-6425.	13.8	40
26	Light-Activated Olefin Metathesis: Catalyst Development, Synthesis, and Applications. <i>Accounts of Chemical Research</i> , 2020, 53, 2456-2471.	15.6	40
27	Olefin metathesis catalyst bearing a chelating phosphine ligand. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2466-2470.	1.8	36
28	Regioselective Chromatic Orthogonality with Light-Activated Metathesis Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12384-12388.	13.8	36
29	A Light-Activated Olefin Metathesis Catalyst Equipped with a Chromatic Orthogonal Self-Destruct Function. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 764-767.	13.8	34
30	Light- and Thermal-Activated Olefin Metathesis of Hindered Substrates. <i>Organometallics</i> , 2018, 37, 176-181.	2.3	33
31	Synthesis and Catalytic Properties of Sulfur-Chelated Ruthenium Benzylidenes Bearing a Cyclic (Alkyl)(amino)carbene Ligand. <i>ACS Catalysis</i> , 2018, 8, 8182-8191.	11.2	31
32	Facile acetal dynamic combinatorial library. <i>Chemical Communications</i> , 2008, , 1686.	4.1	28
33	Single-chain polybutadiene organometallic nanoparticles: an experimental and theoretical study. <i>Chemical Science</i> , 2016, 7, 1773-1778.	7.4	28
34	Imposing Latency in Ruthenium Sulfoxide-Chelated Benzylidenes: Expanding Opportunities for Thermal and Photoactivation in Olefin Metathesis. <i>ACS Catalysis</i> , 2020, 10, 4827-4834.	11.2	28
35	Photoactivation of Ruthenium Phosphite Complexes for Olefin Metathesis. <i>ACS Catalysis</i> , 2018, 8, 6413-6418.	11.2	27
36	Toward Novel Polyacetals by Transacetalation Techniques: Dendrimeric Diacetals. <i>Organic Letters</i> , 2002, 4, 731-734.	4.6	26

#	ARTICLE	IF	CITATIONS
37	Adhesion of Standard Explosive Particles to Model Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22815-22822.	3.1	26
38	Jojoba oil olefin metathesis: a valuable source for bio-renewable materials. <i>Green Chemistry</i> , 2014, 16, 4728-4733.	9.0	26
39	Regioselective Chromatic Orthogonality with Light-Activated Metathesis Catalysts. <i>Angewandte Chemie</i> , 2015, 127, 12561-12565.	2.0	26
40	Cross-linked ROMP polymers based on odourless dicyclopentadiene derivatives. <i>Polymer Chemistry</i> , 2016, 7, 3071-3075.	3.9	26
41	Guiding a divergent reaction by photochemical control: bichromatic selective access to levulinates and butenolides. <i>Chemical Science</i> , 2018, 9, 1368-1374.	7.4	26
42	New supramolecular host systems. 41. novel diacetal podands, diazacrowns and cryptands. <i>Tetrahedron Letters</i> , 1995, 36, 9193-9196.	1.4	25
43	Unprecedented Selectivity of Ruthenium Iodide Benzylidenes in Olefin Metathesis Reactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3539-3543.	13.8	25
44	Latent Ruthenium Benzylidene Phosphite Complexes for Visible-Light-Induced Olefin Metathesis. <i>ACS Catalysis</i> , 2020, 10, 2033-2038.	11.2	24
45	Bichromatic Photosynthesis of Coumarins by UV Filter-Enabled Olefin Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2352-2357.	4.3	21
46	Thermal properties of ruthenium alkylidene-polymerized dicyclopentadiene. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1469-1474.	2.2	20
47	Enol Forms of 1,3-Indanedione, Their Stabilization by Strong Hydrogen Bonding, and Zwitterion-Assisted Interconversion. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2800-2811.	2.4	19
48	Amino acids as chiral anionic ligands for ruthenium based asymmetric olefin metathesis. <i>Chemical Communications</i> , 2015, 51, 3870-3873.	4.1	18
49	Influence of Anionic Ligand Exchange in Latent Sulfur-Chelated Ruthenium Precatalysts. <i>Inorganic Chemistry</i> , 2018, 57, 15592-15599.	4.0	18
50	Thiourea-Mediated Halogenation of Alcohols. <i>Journal of Organic Chemistry</i> , 2020, 85, 12901-12911.	3.2	17
51	Latent, Yet Highly Active Photoswitchable Olefin Metathesis Precatalysts Bearing Cyclic Alkyl Amino Carbene (CAAC)/Phosphite Ligands. <i>ACS Catalysis</i> , 2021, 11, 703-709.	11.2	17
52	Polythiacrown Macro- and Gigantocycles with Chiral Diacetal Cores. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1957-1975.	2.4	16
53	Stability and activity of cis-dichloro ruthenium olefin metathesis precatalysts bearing chelating sulfur alkylidenes. <i>Journal of Organometallic Chemistry</i> , 2014, 769, 24-28.	1.8	16
54	Photoxidation of Benzyl Alcohol with Heterogeneous Photocatalysts in the UV Range: The Complex Interplay with the Autoxidative Reaction. <i>ChemCatChem</i> , 2018, 10, 2541-2545.	3.7	16

#	ARTICLE	IF	CITATIONS
55	A new class of heterobicyclic systems: Dioxadiazadecalins. <i>Tetrahedron Letters</i> , 1997, 38, 3573-3576.	1.4	15
56	Exploring the Reversibility of the Ring-Closing Metathesis Mediated Cross-linking of Dendrimers. <i>Macromolecules</i> , 2007, 40, 8114-8118.	4.8	15
57	Multivalent alteration of quorum sensing in <i>Staphylococcus aureus</i> . <i>Chemical Communications</i> , 2013, 49, 5177.	4.1	15
58	Modulation of Photodeprotection by the Sunscreen Protocol. <i>Organic Letters</i> , 2015, 17, 740-743.	4.6	15
59	Sulfur-Chelated Ruthenium Olefin Metathesis Catalysts. <i>Synlett</i> , 2021, 32, 258-266.	1.8	15
60	The Stereoisomeric Diaminobutanediol and Dioxadiazadecalin Systems: Synthesis, Structure, Stereoelectronics, and Conformation – Theory vs. Experiment. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2033-2043.	2.4	14
61	On Five- vs Six-membered Diacetal Formation from Threitol and the Intermediacy of Unusually Stable Protonated Species I. <i>Journal of Organic Chemistry</i> , 2000, 65, 1636-1642.	3.2	14
62	Synthesis, characterization and protein binding properties of supported dendrons. <i>Journal of Materials Chemistry</i> , 2009, 19, 6616.	6.7	14
63	Reactivity and Selectivity in Ruthenium Sulfur-Chelated Diiodo Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6372-6376.	13.8	14
64	Transfer hydrogenation of levulinic acid from glycerol and ethanol using water-soluble iridium N-heterocyclic carbene complexes. <i>Journal of Organometallic Chemistry</i> , 2020, 919, 121310.	1.8	13
65	Synthesis, characterisation, electronic spectra and electrochemical investigation of ferrocenyl-terminated dendrimers. <i>Tetrahedron</i> , 2013, 69, 3885-3895.	1.9	12
66	Light guided chemoselective olefin metathesis reactions. <i>Pure and Applied Chemistry</i> , 2017, 89, 829-840.	1.9	12
67	Tuning thermal properties of cross-linked DCPD polymers by functionalization, initiator type and curing methods. <i>Polymer Chemistry</i> , 2020, 11, 1742-1751.	3.9	12
68	Oligomerization of 1,2-Ethanedithiol: An Expedient Approach to Oligothiaethylenethioglycols. <i>Chemistry - A European Journal</i> , 2010, 16, 6365-6373.	3.3	11
69	Unprecedented Selectivity of Ruthenium Iodide Benzylidenes in Olefin Metathesis Reactions. <i>Angewandte Chemie</i> , 2020, 132, 3567-3571.	2.0	9
70	Highly Substrate-Selective Macrocyclic Ring Closing Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1465-1472.	4.3	9
71	The effect of short chain thiol ligand additives on chemical bath deposition of lead sulphide thin films: the unique behaviour of 1,2-ethanedithiol. <i>CrystEngComm</i> , 2016, 18, 9122-9129.	2.6	8
72	Novel Podands and Macrocycles with Diacetal (Tetraoxadecalin) Cores: Synthesis, Structure, Stereochemistry and Cation Inclusion. <i>Chemistry - A European Journal</i> , 2003, 9, 6071-6082.	3.3	7

#	ARTICLE	IF	CITATIONS
73	Oligomerisation reactions of beta substituted thiols in water. RSC Advances, 2013, 3, 1735-1738.	3.6	7
74	Towards Control of Dendrimer Properties by Reversible Exchange of Termini: Synthesis and Characterization of Diverse Porphyrin Dendrimers. Israel Journal of Chemistry, 2009, 49, 1-8.	2.3	5
75	Sunscreen-Assisted Selective Photochemical Transformations. Molecules, 2020, 25, 2125.	3.8	4
76	Steric and electronic effects in latent <i>S</i> -chelated olefin metathesis catalysts. Catalysis Science and Technology, 2023, 13, 321-328.	4.1	4
77	Synthesis of Furanyl β -diketone-based Heteroleptic Iridium(III) Complexes and Studies of Their Photo-Luminescence Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2460-2465.	1.2	3
78	100 Years of Macromolecular Science. Israel Journal of Chemistry, 2020, 60, 6-8.	2.3	3
79	Organometallic single-chain polymer nanoparticles via intra-chain cross-linking with dinuclear η^4 -halo(diene)Rh(I) complexes. Reactive and Functional Polymers, 2021, 165, 104971.	4.1	3
80	Synthesis of Eight-, Nine-, and Ten-Membered, Nitrogen-Containing Quinone-Fused Heterocycles. Synthesis, 2007, 2007, 239-242.	2.3	2
81	Newly synthesized bolaamphiphiles from castor oil and their aggregated morphologies for potential use in drug delivery. Tetrahedron, 2015, 71, 8557-8571.	1.9	2
82	New latent metathesis catalysts equipped with exchangeable boronic ester groups on the NHC. Journal of Coordination Chemistry, 2018, 71, 1715-1727.	2.2	2
83	Chemical Communication between Organometallic Single-Chain Polymer Nanoparticles. Chemistry - A European Journal, 2020, 26, 15835-15838.	3.3	2
84	Reactivity and Selectivity in Ruthenium Sulfur-Chelated Diiodo Catalysts. Angewandte Chemie, 2021, 133, 6442-6446.	2.0	2
85	Metal-Free Photochemical Olefin Isomerization of Unsaturated Ketones via 1,5-Hydrogen Atom Transfer. Chemistry - A European Journal, 2022, 28, .	3.3	2
86	Oil additives demonstrate dual effects on thermal and mechanical properties of cross-linked hydroxy-DCPD thermosets. European Polymer Journal, 2021, 149, 110364.	5.4	1
87	Ruthenium benzylidene and benzylidyne complexes: Alkene metathesis catalysis. , 2022, , .		0