

PUBLICATIONS DERIVED FROM COLLABORATIVE EFFORTS WITHIN THE OASIS NETWORK

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	Authors	Title	Year	Source title	Volume	Art. No.	Page start	Page end	DOI	Access
1	Romo-Islas, G.; Gil-Moles, M.; Saxena, A.; Frontera, A.; Gimeno, M. C.; Rodríguez, L.	Effect of substituents on the 1O ₂ production and biological activity of (N [^] N [^] N)Pt(py) complexes	2023	Dalton Trans	53		2475	2486	10.1039/d3dt04050j	Open Access
2	Ibáñez-Ibáñez, L.; Mollar-Cuni, A.; Apaloo-Messan, E.; Sharma, A.K.; Mata, J.A.; Maseras, F.; Vicent, C.	Ion mobility mass spectrometry uncovers regioselectivity in the carboxylate-assisted C-H activation of palladium N-heterocyclic carbene complexes	2023	Dalton Trans	53		656	665	10.1039/d3dt02793g	Open Access
3	Martínez-Laguna, J.; Altarejos, J.; Fuentes, M.A.; Sciortino, G.; Maseras, F.; Carreras, J.; Caballero, A.; Pérez, P.J.	Alkanes C1-C6 C-H Bond Activation via a Barrierless Potential Energy Path: Trifluoromethyl Carbenes Enhance Primary C-H Bond Functionalization	2024	J. Am. Chem. Soc.	146		34014	34022	10.1021/jacs.4c13065	Open Access
4	Delgado-Collado, J.M.; Videa, H.; Serrano-Laguna, P.J.; Fuentes, M.A.; Álvarez, E.; Díaz-Quintana, A.; Martínez-Martínez, A.J.; Rodríguez-Delgado, A.; Cámpora, J.	Reversible Redox Ligand-Centered Reactivity in 2,6-Bisiminopyridine Aluminum Systems	2024	Inorg. Chem.	63		19156	19166	10.1021/acs.inorgchem.4c02664	Open Access
5	Ruiz-Almoguera, D.; Ventura-Espinosa, D.; Pérez-Bitrián, A.; Martín, A.; Mata, J.A.; Baya, M.	Gold Trifluoromethyl Complexes as Efficient Regioselective Catalysts in Alkyne Hydration	2024	Chem. Eur. J.	30	e202401753			10.1002/chem.202401753	Open Access
6	Salvadó, O.; Pérez-Ruiz, J.; Mesas, A.; Díaz-Requejo, M.M.; Pérez, P.J.; Fernández, E.	Rare Gold-Catalyzed 4-exo-dig Cyclization for Ring Expansion of Propargylic Aziridines toward Stereoselective (Z)-Alkylidene Azetidines, via Diborylalkyl Homopropargyl Amines	2024	Org. Lett.	26		7535	7540	10.1021/acs.orglett.4c02415	Open Access
7	Gil-Moles, M.; Olmos, M.E.; López-de-Luzuriaga, J.M.; Ott, I.; Gimeno, M.	A dual approach to cancer treatment: gold(i) terpyridine derivatives as DNA binders and inhibitors of mammalian thioredoxin reductase	2024	Inorg. Chem. Front.	11		4802	4814	10.1039/d4qi00755g	Open Access

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8	Álvarez, M.; Villalba, F.; Casciotti, M.; Molina, F.; Sciortino, G.; Lledos, A.; Albéniz, A.C.; Belderraín, T.R.; Pérez, P.J.	A copper-masked monosubstituted carbene as a general transmetalating agent toward stable carbene complexes	2024	Chem	10		1576	1592	10.1016/j.chempr.2024.03.009	Subscription
9	Sánchez-Roa, D.; Sessini, V.; Mosquera, M.E.G.; Cámpora, J.	N-Heterocyclic Carbene-Carbodiimide (NHC-CDI) Betaines as Organocatalysts for β -Butyrolactone Polymerization: Synthesis of Green PHB Plasticizers with Tailored Molecular Weights	2024	ACS Catalysis	14		2487	2501	10.1021/acscatal.3c05357	Open Access
10	Sala, J.; Capdevila, L.; Berga, C.; de Aquino, A.; Rodríguez, L.; Simon, S.; Ribas, X.	Luminescent Chiral Furanol-PAHs via Straightforward Ni-Catalysed Csp ² -F Functionalization: Mechanistic Insights into the Scholl Reaction	2024	Chem. Eur. J.	30	e202303200			10.1002/chem.202303200	Open Access
11	Rodríguez, A.M.; Sciortino, G.; Muñoz-Gutierrez, L.; Molina, F.; Maseras, F.; Díaz-Requejo, M.M.; Pérez, P.J.	Introducing 1,3-enyne functionalization by nitrene transfer reaction	2024	Chem Catalysis	4	100865			10.1016/j.checat.2023.100865	Open Access
12	Monreal-Corona, R.; Díaz-Jiménez, À.; Pérez, P.J.; Caballero, A.; Roglans, A.; Poater, A.; Pla-Quintana, A.	Catalyst-Directed Selectivity in Vinylcarbene Reactions: A Comparative Study of Ag, Rh, and Cu Complexes	2025	Adv. Synth. Catal.	367	e70007			10.1002/adsc.70007	Subscription
13	Ibáñez-Ibáñez, L.; Guisado-Barrios, G.; Mata, J.A.	Photodehydrogenation of alcohols catalysed by a single ruthenium N-Heterocyclic carbene complex	2025	J. Catalysis	448	116134			10.1016/j.jcat.2025.116134	Open Access
14	Reynes, J.F.; Álvarez-Miguel, L.; Winkelmann, F.; Felderhoff, M.; Mosquera, M.E.G.; Whiteoak, C.J.; García, F.	Scalable Main Group Mechanocatalytic CO ₂ Valorisation to Cyclocarbonate Species	2025	Angew. Chem. Int. Ed.	64	e202502584			10.1002/anie.202502584	Open Access
15	de Aquino, A.; Santamaria, N.; Moro, A.J.; Aguilà, D.; Prieto, A.; Nicasio, M.C.; Lima, J.C.; Rodríguez, L.	Gold(I) Complexes with Bulky Phosphanes: A Dual Approach to Triplet Harvesting and Hydroamination Catalysis	2025	Inorg. Chem.	64		3392	3402	10.1021/acs.inorgchem.4c04964	Open Access
16	A. Sánchez, A. Cárdenas-Acero, E. Álvarez, I. del Rosal, J. Navarro-Ruiz, R. Poteau, J.	Reversible C–H Insertion in Bulky Unsaturated NHCs: A Carbon-Based Analogue of Oxidative Addition/Reductive Elimination	2025	Chem. Eur. J.	31	e02968			10.1002/chem.202502968	Open Access

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	Cámpora, E. A. Baquero and L. M. Martínez-Prieto									
17	L. Tarifa, E. Apaloo-Messan, P. Dominguez-Molano, L. Morán-González, O. Salvadó, S. Wilkinson, M. Rodríguez, F. Maseras, E. Fernández	Pivotal Synthesis of Tetrasubstituted Epoxides from Ketones and α -Halo B/Si Ylides with Understanding of the Activation Modes	2025	ChemistryEurope		e202500241			10.1002/ceur.202500241	Open Access
18	Skeletal Rearrangement of Biaryls via Rhodium-Azidine Intermediate: A Route to Solid-State Emissive Polycyclic Sulfamates	N. Insa-Carreras, A. Díaz-Jiménez, A. Pinto, L. Rodríguez, A. Poater, A. Roglans, A. Pla-Quintana*	2025	ACS Catalysis					10.1021/acscatal.5c06179	Open Access
19	Iron-Catalyzed Intermolecular N–H Insertion Using Acceptor–Acceptor Carbenes Derived from Iodonium Ylides	A. Díaz-Jiménez, N. Insa-Carreras, A. Roglans, A. Pla-Quintana, M. Costas	2025	Org. Lett.	27		7804	7809	10.1021/acs.orglett.5c02000	Open Access
20	Dual Co/Photoredox-Catalyzed Regio- and Stereoselective Synthesis of Highly Functional 1,3-Dienes	B. L. Tóth, A. Delgado, D. Ghorai, D. Meneses, A. García-Camacho, M. Vicent-Morales, J. Benet-Buchholz, I. Funes-Ardoiz, A. W. Kleij	2025	Angew. Chem. Int. Ed.		e22561			10.1002/anie.202522561	Subscription
21	Functionalization of Polyolefins via Catalytic Nitrene Addition	J. Pérez-Ruiz, M. R. Ramírez, C. Rentero, V. Sessini, M. E. G. Mosquera, M. M. Díaz-Requejo, P. J. Pérez	2025	Angew. Chem. Int. Ed.	64	e22659			10.1002/anie.202522659	Open Access
22	Characterization of a Silver Vinylcarbene Intermediate in 2 Carbene–Alkyne Metathesis and Its Concerted C(sp ²)–H Bond 3 Insertion	A. Díaz-Jiménez, R. Monreal-Corona, A. Saha, A. Álvarez-Núñez, A. Company, T. Parella, P. J. Pérez, A. Caballero, A. Roglans, A. Poater, A. Pla-Quintana	2026	J. Am. Chem. Soc.					10.1021/jacs.5c19806	Subscription