

Lista completa delle pubblicazioni

	Anno	Pubblicazione
1.	2021	F. Fratello, G. Capocasa, <u>G. Olivo</u> , K. A. Hady, C. Sappino, M. Di Berto Mancini, S. Levi Mortera, O. Lanzalunga, S. Di Stefano*, <i>RSC Adv.</i> 2021 , 11, 537-542 “Increasing the steric hindrance around the catalytic core of a self-assembled imine-based non-heme iron catalyst for C–H oxidation”
2.	2020	L. Vicens, <u>G. Olivo*</u> , M. Costas*, <i>ACS Catal.</i> 2020 , 10, 8611-8631 (IF = 12.35) “Rational Design of Bioinspired Catalysts for Selective Oxidations”
3.		<u>G. Olivo*</u> , [†] G. Capocasa, [†] B. Ticconi, O. Lanzalunga, S. Di Stefano*, M. Costas*, <i>Angew. Chem. Int. Ed.</i> 2020 , 59, 12703-12708 (IF = 12.257) “Predictable Selectivity in Remote C–H Oxidation of Steroids: Analysis of Substrate Binding Mode” <i>Selected as a VIP paper</i> [†] <i>Equal contribution.</i>
4.		G. Capocasa, M. Di Berto Mancini, F. Fratello, O. Lanzalunga, <u>G. Olivo</u> , S. Di Stefano* <i>Eur. J. Org. Chem.</i> 2020 , 23, 3390-3397 (IF = 3.029) “Easy Synthesis of a Self-Assembled Imine-based Iron(II) Complex Endowed with Crown-ethers Receptors”
5.		M. Cianfanelli, [†] <u>G. Olivo</u> , [†] M. Milan, R. J. M. Klein Gebbink, X. Ribas, M. Bietti,* M. Costas*, <i>J. Am. Chem. Soc.</i> 2020 , 142, 1584-1593. (IF = 14.695) [†] <i>Equal contribution.</i> “Enantioselective C–H Lactonization of Unactivated Methylenes Directed by Carboxylic Acids”
6.		B. Ticconi, G. Capocasa, A. Cerrato, S. Di Stefano, A. Lapi, B. Marincioni, <u>G. Olivo</u> , O. Lanzalunga*, <i>Catal. Sci. Tech.</i> 2020 , DOI: 10.1039/D0CY01868F. (IF = 5.721) “Insight into the Chemoselective Aromatic vs Side-chain Hydroxylation of Alkylaromatics with H ₂ O ₂ Catalyzed by a Non-Heme Imine Based Iron Complex”
7.	2019	G. Capocasa, F. Sessa, F. Tavani, <u>G. Olivo</u> , M. Monte, S. Pascarelli, O. Lanzalunga*, S. Di Stefano*, P. D’Angelo*, <i>J. Am. Chem. Soc.</i> 2019 , 141, 2299-2304. (IF = 14.695) “Coupled X-Ray Absorption/UV-Vis Monitoring of Fast Oxidation Reactions Involving a Non-Heme Iron Oxo Complex” <i>Highlighted in the ESRF Spotlight on Science on 22/03/2019.</i>
8.		<u>G. Olivo*</u> , G. Capocasa, O. Lanzalunga, S. Di Stefano*, M. Costas*, <i>Chem. Commun.</i> 2019 , 7, 917-920. (IF = 6.164) “Enzyme-like Substrate-Selectivity in CH Oxidation Enabled by Recognition”

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9.	2018	D. Vidal, <u>G. Olivo*</u> , M. Costas*, <i>Chem. A Eur. J.</i> , 2018 , 24, 5042-5054. (IF = 5.160) “Controlling selectivity in aliphatic C-H oxidation via supramolecular recognition”
10.		B. Ticconi, A. Colcerasa, S. Di Stefano, O. Lanzalunga*, A. Lapi, M. Mazzonna, <u>G. Olivo</u> , <i>RSC Adv.</i> , 2018 , 8, 19144-19151. (IF = 3.049) “Oxidative functionalization of aliphatic and aromatic amino acid derivatives with H ₂ O ₂ catalyzed by a nonheme imine based iron complex”
11.	2017	<u>G. Olivo*</u> , G. Farinelli, A. Barbieri, O. Lanzalunga, S. Di Stefano*, M. Costas*, <i>Angew. Chem. Int. Ed.</i> , 2017 , 56, 16347-16351. (IF ₂₀₁₇ = 12.102, now 12.257) “Supramolecular Recognition Allows Remote, Site-Selective C–H Oxidation of Methylenic Sites in Linear Amines”
12.		G. Capocasa [†] , <u>G. Olivo[†]</u> , A. Barbieri, O. Lanzalunga, S. Di Stefano, <i>Catal. Sci. Tech.</i> 2017 , 7, 5677-5686. (IF ₂₀₁₆ = 5.773, now 5.726) “Direct hydroxylation of benzene and aromatics with H ₂ O ₂ catalyzed by a self-assembled iron complex: evidence for a metal-based mechanism” [†] Equal contribution. <i>Selected as a 2017 Catalysis, Science & Technology Hot Articles</i>
13.		<u>G. Olivo</u> , A. Barbieri, V. Dantignana, F. Sessa, V. Migliorati, M. Monte, S. Pascarelli, T. Narayanan, O. Lanzalunga*, S. Di Stefano*, P. D’Angelo*, <i>J. Phys. Chem. Lett.</i> , 2017 , 8, 2958-2963. (IF ₂₀₁₇ = 8.709, now 7.329) “Following a Chemical Reaction on the Millisecond Time Scale by Simultaneous X-ray and UV/Vis Spectroscopy” <i>Highlighted in the ESRF Spotlight on Science on 25/07/2017.</i>
14.		S. Albano, <u>G. Olivo</u> , L. Mandolini, F. Ugozzoli, S. Di Stefano*, <i>J. Org. Chem.</i> , 2017 , 82, 3820-3825. (IF ₂₀₁₉ = 4.745) “Unexpected Formation of an Imidazopyridine Structure as the Indirectly Templated Product of an Imine-based Dynamic Library”
15.		<u>G. Olivo</u> , O. Cussò, M. Borrell, M. Costas*, <i>J. Biol. Inorg. Chem.</i> , 2017 , 22, 425-452. (IF ₂₀₁₇ = 2.952, now 3.632) “Oxidation of Alkane and Alkene Moieties with Biologically Inspired Nonheme Iron Catalysts and Hydrogen Peroxide. From Free-Radicals to Stereoselective Transformations”
16.		A. Barbieri, S. Di Stefano, O. Lanzalunga*, A. Lapi, M. Mazzonna, <u>G. Olivo</u> , <i>Phosphorus, Silicon and the Related Elements</i> . 2017 , 192, 241-244. (IF = 0.798) “Role of Electron Transfer Processes in the Oxidation of Aryl Sulfides Catalysed by Nonheme Iron Complexes”

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17.	2016	A. Barbieri, T. Del Giacco, S. Di Stefano, O. Lanzalunga*, A. Lapi, M. Mazzonna, <u>G. Olivo</u> , <i>J. Org. Chem.</i> 2016 , <i>81</i> , 12382-12387. (IF ₂₀₁₉ = 4.745) “Electron Transfer Mechanism in the Oxidation of Aryl 1-Methyl-1-phenylethyl Sulfides Promoted by Nonheme Iron(IV)-Oxo Complexes: The Rate of the Oxygen Rebound Process”
18.		<u>G. Olivo</u> , O. Cussó, M. Costas*, <i>Chem. As. J.</i> 2016 , <i>11</i> , 3148-3158. (IF = 4.083; now 3.698) “Biologically Inspired C-H and C=C Oxidations with H ₂ O ₂ Catalyzed by Iron Coordination Complexes” <i>Highlighted as a “spotlight on our sister journals” by Angew. Chem. (ed. 3/2017).</i>
19.		<u>G. Olivo</u> , S. Giosia, A. Barbieri, O. Lanzalunga, S. Di Stefano*, <i>Org. Biomol. Chem.</i> 2016 , <i>14</i> , 10630 – 10635. (IF ₂₀₁₉ = 3.49) “Alcohol Oxidation with H ₂ O ₂ Catalyzed by a Cheap and Promptly Available Imine Based Iron Complex”
20.		A. Barbieri, R. De Carlo, T. Del Giacco, S. Di Stefano, O. Lanzalunga*, A. Lapi, M. Mazzonna, <u>G. Olivo</u> , M. Salamone, <i>J. Org. Chem.</i> , 2016 , <i>81</i> , 2513-2520. (IF ₂₀₁₉ = 4.745) “Oxidation of Aryl Diphenylmethyl Sulfides Promoted by a Non-Heme Iron(IV)-Oxo Complex: Evidence for Electron Transfer-Oxygen Transfer Mechanism”
21.		<u>G. Olivo</u> , O. Lanzalunga, S. Di Stefano*, <i>Advanced Synthesis & Catalysis</i> , 2016 , <i>358</i> , 843-863. (IF ₂₀₁₅ = 6.623, now 5.541) “Nonheme Imine-based Iron Complexes as Catalysts for Oxidative Processes”
22.	2015	<u>G. Olivo</u> , M. Nardi, A. Barbieri, A. Lapi, L. Gómez, O. Lanzalunga, M. Costas*, S. Di Stefano*, <i>Inorg. Chem.</i> , 2015 , <i>54</i> , 10141-10152. (IF ₂₀₁₉ = 4.850) “C-H bond oxidation catalyzed by an imine-based iron complex: a mechanistic insight”
23.		A. Barbieri, M. De Gennaro, S. Di Stefano, O. Lanzalunga*, A. Lapi, M. Mazzonna, <u>G. Olivo</u> , B. Ticconi, <i>Chem. Commun.</i> 2015 , <i>51</i> , 5032-5035. (IF ₂₀₁₅ = 6.567, now 6.164) “Isotope effect profiles in the N-demethylation of <i>N,N</i> -dimethylanilines: a key to determine the pka of nonheme Fe(III)-OH complexes”
24.	2014	<u>G. Olivo</u> , G. Arancio, L. Mandolini, O. Lanzalunga, S. Di Stefano*, <i>Catal. Sci. Tech.</i> 2014 , <i>4</i> , 2900-2903. (IF ₂₀₁₆ = 4.76, now 5.726) “Hydrocarbon Oxidation Catalyzed by a Cheap Nonheme Imine-Based Iron (II) Complex”
25.	2013	<u>G. Olivo</u> , O. Lanzalunga, L. Mandolini, S. Di Stefano*, <i>J. Org. Chem.</i> 2013 , <i>58</i> , 11508-11512. (IF ₂₀₁₉ = 4.75) “Substituent Effects on the Catalytic Activity of Bipyrrolidine-Based Iron Complexes”
<i>Book chapters</i>		
1	2019	<u>G. Olivo</u> , O. Lanzalunga, S. Di Stefano, book chapter in <i>Alkane Functionalization</i> , edited by A. J. L. Pombeiro, published by Wiley on 2019/3/4 in Mannheim, Germany.

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		“Imine-based Iron and Manganese Complexes as Catalysts for Alkane Functionalization”
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Io, sottoscritto Giorgio Olivo, nato a Formia il 29/11/1988, confermo la veridicità delle informazioni riportate sopra ai sensi degli artt. 46 e 47 del D.P.R.445/2000.

Girona, 26/09/2020

