

Lista completa delle pubblicazioni

* = corresponding author, † = equal contribution.

anno	
2021	1) L. Vicens, <u>G. Olivo*</u> , M. Costas*, <i>Angew. Chem. Int. Ed.</i> 2021 , DOI: 10.1002/anie.202114932 “Remote Amino Acid Recognition Enables Effective Hydrogen Peroxide Activation at a Manganese Oxidation Catalyst”
	2) <u>G. Olivo*</u> , G. Capocasa, D. Del Giudice, O. Lanzalunga, S. Di Stefano,* <i>Chem. Soc. Rev.</i> 2021 , 50, 7681-7724. “New Horizons for Catalysis Disclosed by Supramolecular Chemistry”
	3) M. Di Berto Mancini, A. Del Gelsomino, S. Di Stefano, F. Fratello, A. Lapi, O. Lanzalunga*, <u>G. Olivo</u> , S. Sajeva, <i>ACS Omega</i> 2021 , 6, 26428-26438. “Change of Selectivity in C–H Functionalization Promoted by Nonheme Iron(IV)-oxo Complexes by the Effect of the N-hydroxyphthalimide HAT Mediator”
	4) 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”
	5) B. Ticconi, G. Capocasa, A. Cerrato, S. Di Stefano, A. Lapi, B. Marincioni, <u>G. Olivo</u> , O. Lanzalunga*, <i>Catal. Sci. Tech.</i> 2021 , 11, 171-178. “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”
2020	6) L. Vicens, <u>G. Olivo*</u> , M. Costas*, <i>ACS Catal.</i> 2020 , 10, 8611-8631 “Rational Design of Bioinspired Catalysts for Selective Oxidations”
	7) <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 “Predictable Selectivity in Remote C–H Oxidation of Steroids: Analysis of Substrate Binding Mode” <i>Selected as a VIP paper</i>
	8) 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 “Easy Synthesis of a Self-Assembled Imine-based Iron(II) Complex Endowed with Crown-ethers Receptors”
	9) 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. “Enantioselective C–H Lactonization of Unactivated Methylenes Directed by Carboxylic Acids” <i>Highlighted Organic Chemistry Portal on October 26th, 2020 (https://www.organic-chemistry.org/Highlights/2020/26October.shtml)</i>
2019	10) 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.

GIORGIO OLIVO

	<p>“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></p>
	<p>11) <u>G. Olivo*</u>, G. Capocasa, O. Lanzalunga, S. Di Stefano*, M. Costas*, <i>Chem. Commun.</i> 2019, 7, 917-920. “Enzyme-like Substrate-Selectivity in CH Oxidation Enabled by Recognition”</p>
2018	<p>12) D. Vidal, <u>G. Olivo*</u>, M. Costas*, <i>Chem. A Eur. J.</i>, 2018, 24, 5042-5054. “Controlling selectivity in aliphatic C-H oxidation via supramolecular recognition”</p>
	<p>13) 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. “Oxidative functionalization of aliphatic and aromatic amino acid derivatives with H₂O₂ catalyzed by a nonheme imine based iron complex”</p>
2017	<p>14) <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. “Supramolecular Recognition Allows Remote, Site-Selective C–H Oxidation of Methylenic Sites in Linear Amines”</p>
	<p>15) G. Capocasa[†], <u>G. Olivo[†]</u>, A. Barbieri, O. Lanzalunga, S. Di Stefano, <i>Catal. Sci. Tech.</i> 2017, 7, 5677-5686. “Direct hydroxylation of benzene and aromatics with H₂O₂ catalyzed by a self-assembled iron complex: evidence for a metal-based mechanism” <i>Selected as a 2017 Catalysis, Science & Technology Hot Articles</i></p>
	<p>16) <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. “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></p>
	<p>17) S. Albano, <u>G. Olivo</u>, L. Mandolini, F. Ugozzoli, S. Di Stefano*, <i>J. Org. Chem.</i>, 2017, 82, 3820-3825. “Unexpected Formation of an Imidazopyridine Structure as the Indirectly Templated Product of an Imine-based Dynamic Library”</p>
	<p>18) <u>G. Olivo</u>, O. Cussò, M. Borrell, M. Costas*, <i>J. Biol. Inorg. Chem.</i>, 2017, 22, 425-452. “Oxidation of Alkane and Alkene Moieties with Biologically Inspired Nonheme Iron Catalysts and Hydrogen Peroxide. From Free-Radicals to Stereoselective Transformations”</p>
	<p>19) 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. “Role of Electron Transfer Processes in the Oxidation of Aryl Sulfides Catalysed by Nonheme Iron Complexes”</p>

GIORGIO OLIVO

2016	<p>20) 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. “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”</p>
	<p>21) <u>G. Olivo</u>, O. Cussó, M. Costas*, <i>Chem. As. J.</i> 2016, <i>11</i>, 3148-3158. “Biologically Inspired C-H and C=C Oxidations with H₂O₂ Catalyzed by Iron Coordination Complexes” <i>Highlighted as a “spotlight on our sister journals” by Angew. Chem. (ed. 3/2017).</i></p>
	<p>22) <u>G. Olivo</u>, S. Giosia, A. Barbieri, O. Lanzalunga, S. Di Stefano*, <i>Org. Biomol. Chem.</i> 2016, <i>14</i>, 10630 – 10635. “Alcohol Oxidation with H₂O₂ Catalyzed by a Cheap and Promptly Available Imine Based Iron Complex”</p>
	<p>23) 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. “Oxidation of Aryl Diphenylmethyl Sulfides Promoted by a Non-Heme Iron(IV)-Oxo Complex: Evidence for Electron Transfer-Oxygen Transfer Mechanism”</p>
	<p>24) <u>G. Olivo</u>, O. Lanzalunga, S. Di Stefano*, <i>Advanced Synthesis & Catalysis</i>, 2016, <i>358</i>, 843-863. “Nonheme Imine-based Iron Complexes as Catalysts for Oxidative Processes”</p>
2015	<p>25) <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. “C-H bond oxidation catalyzed by an imine-based iron complex: a mechanistic insight”</p>
	<p>26) 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. “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”</p>
2014	<p>27) <u>G. Olivo</u>, G. Arancio, L. Mandolini, O. Lanzalunga, S. Di Stefano*, <i>Catal. Sci. Tech.</i> 2014, <i>4</i>, 2900-2903. “Hydrocarbon Oxidation Catalyzed by a Cheap Nonheme Imine-Based Iron (II) Complex”</p>
2013	<p>28) <u>G. Olivo</u>, O. Lanzalunga, L. Mandolini, S. Di Stefano*, <i>J. Org. Chem.</i> 2013, <i>58</i>, 11508-11512. “Substituent Effects on the Catalytic Activity of Bipyrrolidine-Based Iron Complexes”</p>
<i>Highlights and Previews</i>	
2021	<p><u>G. Olivo</u>,* M. Bietti,* <i>Chem</i> 2021, “Aliphatic C-H Methylation Enabled by Hydrogen Atom Transfer”</p>
<i>Book chapters</i>	
2019	<p><u>G. Olivo</u>, O. Lanzalunga, S. Di Stefano, in <i>Alkane Functionalization</i>, 2019, 231-249, edited by A. J. L. Pombeiro, published by Wiley, on 2019/3/4 in Mannheim, Germany. “Imine-based Iron and Manganese Complexes as Catalysts for Alkane Functionalization”</p>
<i>Conference papers</i>	

GIORGIO OLIVO

2021	F. Tavani*, A. Martini, F. Sessa, G. Capocasa, <u>G. Olivo</u> , O. Lanzalunga, S. Di Stefano, P. D'Angelo*, <i>Springer Proceedings in Physics</i> , 2021 , 220, 141-154. “Insights into the Structure of Reaction Intermediates Through Coupled X-ray Absorption/UV-Vis Spectroscopy”
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General bibliometric indicators

Total number of peer reviewed publications = **28**

of which **14** as **first author** (or co-first) and **7** as **co-corresponding author**

(**21** research **articles** and **6** **reviews**, **26** on **first quartile** journals)

Book chapters = **1** Highlights and Previews = **1**

Conference paper = **1**

h-index (Scopus, November 11th, 2021) = **15**

Total number of citations (Scopus, November 11th, 2021) = **610**

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Average Impact Factor = **8.51**

Sum of impact factors = 238.278

(**10.67** for **first-author** publications, **17.37** for **co-corresponding** author ones)