



DIPARTIMENTO DI CHIMICA E TECNOLOGIE DEL FARMACO
CURRICULUM DIDATTICO-SCIENTIFICO DEL PROF. G. FABRIZI

DATI PERSONALI	
Nome e Cognome Giancarlo Fabrizi	
<i>Luogo e data di nascita:</i> <i>Stato Civile:</i> coniugato	
Dipartimento Chimica e Tecnologie del Farmaco	
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Settore Scientifico-Disciplinare: CHIM06

Orario di Ricevimento: lunedì, ore 16 - 18

ATTUALE POSIZIONE

➤ Professore associato

CARRIERA E TITOLI

anno 1990: Ricercatore Università dell'Aquila

anno 1994: Ricercatore Università La Sapienza

anno 2001: Professore associato Università La Sapienza

ATTIVITA' DIDATTICA

- 1) Chimica Organica II - corso di laurea in CTF
- 2) Sintesi Avanzate in Chimica Organica - corso di laurea in CTF


ATTIVITA' SCIENTIFICA

Chimica organometallica, con particolare attenzione alla catalisi del palladio e del rame. Sintesi ed uso di nanoparticelle dei metalli di transizione nella sintesi organica.

PUBBLICAZIONI SCIENTIFICHE (30 su 137)
A. Peer reviewed publications of GIANCARLO FABRIZI: selezionate (ultimi 3 anni)

#	Riferimento	Impact Factor
1	Cacchi S., Fabrizi G., A. Goggiamani A Copper catalysis in the construction of indole and benzo[b]furan rings <i>Org. Biomol. Chem</i> 2011 , 9, 641–652.	3.451
2	Cacchi S., Fabrizi G., Goggiamani A., Sferrazza A. Heck reaction of arenediazonium salts with <i>N,N</i> -diprotected allylamines. Synthesis of cinnamylamines and indoles <i>Org. Biomol. Chem</i> 2011 , 9, 1727–1730.	3.451
3	Berrino R., Cacchi S., Fabrizi G., Goggiamani A., Stabile P. Arenediazonium tetrafluoroborates in palladium-catalyzed C–P bond-forming reactions. Synthesis of arylphosphonates, -phosphine oxides, and -phosphines” <i>Org. Biomol. Chem</i> 2010 , 8, 4518–4520.	3.451
4	Cacchi S., Fabrizi G., Goggiamani A., Perboni A., Sferrazza A., Stabile P. 2,3-Disubstituted Indoles via Palladium-Catalyzed Reaction of 2-Alkynyltrifluoroacetanilides with Arenediazonium Tetrafluoroborates <i>Org. Lett</i> 2010 , 12(14), 3279–3281	5.250
5	Bernini R., Cacchi S., Fabrizi G., Forte G., Petrucci F., Prastaro A., S. Niembro S., Shafir A., Vallribera A. Perfluoro-tagged phosphine-free palladium nanoparticles supported on silica gel: application to alkynylation of aryl halides, Suzuki–Miyaura cross-coupling, and Heck reactions under aerobic conditions <i>Green Chem</i> 2010 , 12, 150–158	5.840
6	Bernini R., Cacchi S., Fabrizi G., Sferrazza A. Copper-Catalyzed C–C Bond Formation via C–H Functionalization: Synthesis of Multisubstituted Indoles from <i>N</i> -(Aryl)enaminones <i>Angew. Chem</i> 2009 , 48, 8078–8081	11.830
7	Cacchi S., Fabrizi G., Goggiamani A., Sferrazza A. Sonogashira Cross-coupling of Arenediazonium Salts <i>Angew. Chem</i> 2010 , 49, 4067–4070	11.830
8	Bagnoli L., Cacchi S., Fabrizi G., Goggiamani A., Scarponi C., Tiecco M. Diastereoselective Synthesis of Hexahydro-3 <i>H</i> -pyrrolyzin-3-ones through	4.002



	Pd-Catalyzed Carboamination	
	<i>Journal of Organic Chemistry</i> 2010 , 75, 2134–2137.	
9	Prastaro A., Ceci P., Chiancone E., Boffi A., Cirilli R., Colone M., Fabrizi G., Stringaro A., Cacchi S.	5.840
	Suzuki-Miyaura cross-coupling catalyzed by protein-stabilized palladium nanoparticles under aerobic conditions in water: application to a one-pot chemoenzymatic enantioselective synthesis of chiral biaryl alcohols	
	<i>Green Chem</i> 2009 , 11, 1929–1932	
10	Bernini R., Cacchi S., Fabrizi G., Forte G., Petrucci F., Prastaro A., Niembro >S., Shafir A., Vallribera A.	3.451
	Alkynylation of aryl halides with perfluoro-tagged palladium nanoparticles immobilized on silica gel under aerobic, copper- and phosphine-free conditions in water.	
	<i>Org. Biomol. Chem</i> 2009 , 2270–2273.	
11	Ambrogio I., Cacchi S., Fabrizi G., Goggiamani A., Sgalla S.	2.447
	Regio- and Stereoselective Heck α -Arylation of Cinnamyl Alcohols	
	<i>Synlett</i> 2009 , 620-624.	
12	Cacchi S., Fabrizi G., Goggiamani A., Sferrazza A.	2.447
	Palladium-Catalyzed Arylation of the THP Derivative of (Z)-2-Butene-1,4-diol with Arenediazonium Salts and the Synthesis of α -Aryl- α -butyrolactones	
	<i>Synlett</i> 2009 , 973-977.	
13	Bernini R., Cacchi S., Fabrizi G., Sferrazza A.	2.260
	1,2-Disubstituted 4-Quinolones via Copper-Catalyzed Cyclization of 1-(2-Halophenyl)-2-en-3-amin-ones	
	<i>Synthesis</i> 2009 , 1209-1219.	
14	Cacchi S., Fabrizi G., Goggiamani A., Sferrazza A.	2.447
	Palladium-Catalyzed Reaction of Arenediazonium Tetrafluoroborates with Methyl 4-Hydroxy-2-butenate: An Approach to 4-Aryl Butenolides and an Expedient Synthesis of Rubrolide E	
	<i>Synlett</i> 2009 , 1277-1280.	
15	Bernini R., Cacchi S., Fabrizi G., Filisti E., Sferrazza A.	2.447
	Polysubstituted Quinolines from 2-Alkylanilines and α,α,α -Ynones through a Sequential Conjugate Addition-Cyclization Process	
	<i>Synlett</i> 2009 , 1245-1250.	
16	Bernini R., Cacchi S., Fabrizi G., Filisti E., Sferrazza A.	2.447
	3-Aroylindoles via Copper-Catalyzed Cyclization of N-(2-Iodoaryl)enaminones	
	<i>Synlett</i> 2009 , 1480-1484.	
17	Cacchi S., Fabrizi G., Filisti E.	2.447



	Palladium-Catalyzed Synthesis of Free-NH Indole 2-Acetamides and Derivatives from Ethyl 3-(o-Trifluoroacetamidoaryl)-1-propargylic Carbonates	
	<i>Synlett</i> , 2009 , 1817-1821.	
18	Ambrogio I., Cacchi S., Fabrizi G., Prastaro A.	2.983
	3-(o-Trifluoroacetamidoaryl)-1-propargylic esters: common intermediates for the palladiumcatalyzed synthesis of 2-aminomethyl-, 2-vinyl-, and 2-alkylindoles	
19	Bernini R., Cacchi S., Fabrizi G., Sferrazza A.	2.260
	A simple general approach to phenanthridinones via palladium-catalyzed intramolecular direct arene arylation	
	<i>Synthesis</i> 2008 , <i>5</i> , 729-738.	
20	Bartoli G., Cacchi S., Fabrizi G., Goggiamani A.	2.447
	Aryl Norbornanes and Analogues via Palladium-Catalyzed Hydroarylation with Arenediazonium Tetrafluoroborates	
	<i>Synlett</i> 2008 , <i>5</i> , 2508-2512.	
21	Ambrogio I., Cacchi S., Fabrizi G., Henriksen S. T., Fristrup P., Tanner D., Norrby P.O.	3.888
	Unusual selectivity-determining factors in the phosphine-free Heck arylation of allyl ethers	
	<i>Organometallic</i> 2008 , <i>27</i> , 3187-3195.	
22	Cacchi S., Fabrizi G., Filisti E.	5.250
	2-Arylhydroxytyrosol-Derivatives via Suzuki-Miyaura Cross-Coupling	
	<i>Org Lett</i> , 2008 , <i>10</i> , 3457-3460.	
23	Cacchi S., Fabrizi G., Filisti E.	5.250
	N-propargylic- α -enaminones: common intermediates for the synthesis of polysubstituted pyrroles and pyridines	
	<i>Org Lett</i> , 2008 , <i>10</i> , 2629-2632.	
24	Cacchi S., Fabrizi G., Goggiamani A., Persiani D.	5.250
	Palladium-Catalyzed Hydroarylation of Alkynes with Arenediazonium Salts	
	<i>Org Lett</i> , 2008 , <i>10</i> , 1597-1600.	
25	Bernini R., Cacchi S., Fabrizi G., Forte G., Niembro S., Petrucci F., Pleixats R., Prastaro A., Sebastian R. M., Soler R., Tristany M., Vllibera A.	5.250
	Phosphine-Free Perfluoro-Tagged Palladium Nanoparticles Supported on Fluorous Silica Gel: Application to the Heck Reaction	
	<i>Org Lett</i> , 2008 , <i>10</i> , 561-564.	
26	Ambrogio I., Cacchi S., Fabrizi G.	2.483
	2-Alkylindoles via palladium-catalyzed reductive cyclization of ethyl 3-(o-trifluoroacetamidophenyl)-1-propargyl carbonates	



	<i>Tetrahedron Letters</i> 2007 , 48(43), 7721-7725.	
27	Ambrogio I., Cacchi S., Fabrizi G.	5.250
	Palladium-Catalyzed Synthesis of 2-(Aminomethyl)indoles from Ethyl 3-(o-Trifluoroacetamidophenyl)-1-propargyl Carbonate	
	<i>Org Lett</i> , 2006 , 8, 2083-2086.	
28	Ahlquist M., Cacchi S., Fabrizi G., Norrby P-O.	9.019
	The Mechanism of Phosphine Free Palladium Catalyzed Hydroarylation of Alkines	
	<i>J. Am. Chem. Soc.</i> 2006 , 128, 12785-12793.	
29	Cacchi S., Fabrizi G., Goggiamani A.	5.250
	2,3-disubstituted indoles through the palladium-catalyzed reaction of aryl chlorides with o-alkynyltrifluoroacetanilides	
	<i>Advanced Synthesis & Catalysis</i> 2006, 348, 1301-1305.	
30	Cacchi S., Fabrizi G.	33.033
	Synthesis and functionalization of indoles through palladium-catalyzed reactions	
	<i>Chemical Reviews</i> 2005 , 105, 2873-2920.	

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Cacchi S., Fabrizi G.

"Carbopalladation of Alkynes Followed by Trapping with Nucleophilic Reagents"
 in *Handbook of Organopalladium Chemistry for Organic Synthesis*, J. Wiley&Sons