Curriculum Vitae

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PUBBLICAZIONE

ELENCO COMPLETO DELLE PUBBLICAZIONI in Riviste Nazionali ed Internazionali (ISI) con referee

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3571 citations by 3012 documents (SCOPUS, May 2019).

P87 "CO2 reduction by C3N4-TiO2 Na on photocatalytic membrane reactor as a promising environmental pathway to solar fuels"

Adele Brunetti, Francesca Rita Pomilla, Giuseppe Marc`, Elisa Isabel Garcia-Lopez, Enrica Fontananova, Leonardo Palmisano, Giuseppe Barbieri, Applied Catalysis B: Environmental 2019, in press. doi.org/10.1016/j.apcatb.2019.117779

P86 "Effect of substituents on partial photocatalytic oxidation of aromatic alcohols assisted by polymeric C3N4"

I.Krivtsov, M. Ilkaeva, E.I. García-López, G. Marcì, L. Palmisano, E. Bartashevich, E. Grigoreva, K. Matveeva, E. Díaz, S. Ordóñez

ChemCatChem 2019, 11, 2713-2724

P85 "EPR investigations of polymeric and H2O2-modi ed C3N4-based photocatalysts"

Dana Dvoranová, Zuzana Barbieriková, Milan Mazúr, Elisa I. García-López, Giuseppe Marcì, Karol Lušpai, Vlasta Brezová

Journal of Photochemistry and Photobiology A: Chemistry, 2019, 375, 100-113.

P84 “Photoelectrochemical and EPR features of C3N4 and O-modified C3N4 employed for selective hotocatalytic oxidation of alcohols to aldehydes”

G. Marci, E.I. García-López, F.R.Pomilla, L.Palmisano, A.Zaffora, M. Santamaria, I. Krivtsov, M. Ilkaeva, Z. Barbieriková, V.Brezová, Catalysis Today 328 (2019) 21-28

P83 " Photoactivity of shape-controlled TiO2 in gas-solid regime under solar irradiation”

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P82 "Co-deposition of Fe3O4 Nanoparticles Sandwiched Between g-C3N4 and TiO2 Nanosheets: Structure, Characterization and High Photocatalytic Activity for Efficiently Degradation of Dye Pollutants”

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P81 “Heterogeneous Photocatalysis for selective formation of high-value-added molecules: Some chemical and engineering aspects”

Francesco Parrino, Marianna Bellardita, Elisa I. García-López, Giuseppe Marcì, Vittorio Loddo, Leonardo Palmisano

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P80 "Photocatalytic CO2 valorization by using TiO2, ZrO2 and graphitic based semiconductors”

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P79 "Photocatalytic Solar Light H_2 Production by Aqueous Glucose Reforming"

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P78 *"Selective photocatalytic oxidation of 5-hydroxymethyl-2-furfural in aqueous suspension of polymeric carbon nitride and its adduct with H_2O_2 in a solar pilot plant*"

M. Ilkaeva, Igor Krivtsov, José R. García, Eva Díaz, Salvador Ordóñez, Elisa I. García-López, Giuseppe Marcì, Leonardo Palmisano, M. Ignacio Maldonado, Sixto Malato,

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E. García-López, G. Marcì, F.R. Pomilla, M.C. Paganini, C. Gionco, E. Giamello, L. Palmisano**.**

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P72 "Comparison between preparative methodologies of nanostructured carbon nitride and their use as selective photocatalysts in water suspension"

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AMBITI DI RICERCA

Elisa Isabel García López was born in Madrid. She graduated in Chemitry (Inorganic Chemistry address) at Universidad Autónoma of Madrid (U.A.M.) in June of 1993. She attended the UAM Chemistry Dep. as a research assistant with a UAM scholarship from November 1st 1993 to April 1st 1994 working on the synthesis and characterization of macrocyclic Schiff bases and their coordination compounds with Sn.

She obtained the MASTER's DEGREE in "Ecological consultancy and entrepreneurial planning for the environment. " by the Institute of Ecological Research, Faculty of Technical Architecture, University of

Málaga.

Winner of a EU scholarship she worked at the Institute of Catalysis and Petrochemistry (ICP) of CSIC under the supervison of Prof. Javier Soria from April 1st 1994 to August 31th 1996. The project was addressed to the oxidation of cyanides in aqueous solutions by a photocatalytic process.

In September 1st 1996 Dr García won a scholarship for the training of staff researcher (Plan de Formación de Personal Investigador) by the Province of Madrid (Comunidad de Madrid) and she worked at the Institute of Renewable Energies in the Solar Energy unit of the Energy, Environmental and Technological Research Centre (CIEMAT) from September 1st 1996 until August 31th 1998. The work was carried on "Kinetic-chemical analysis of the process of photo-oxidation in the gaseous phase of volatile organic pollutants with catalysts based on titanium dioxide".

PhD in Chemistry in February of 2003 at Palermo University (UNIPA) defending the doctoral thesis titled: "Catalytic Degradation of Toluene and Acetonitrile using as Catalyst TiO_2: Relationship between the chemical-physical properties of Photocatalyst and Photoreactivity. Supervisors: Prof. M. Schiavello and L. Palmisano.

Dr. García-López has worked in laboratories of international prestige, engaged in the study of different aspects of photocatysis, as Universidad Nacional de Río Cuarto (Argentina); Water Chemistry at the University of Madison-Wisconsin (USA); Department of Physical Chemistry of University of Turin (Italy); Department of Chemistry of the University of Salamanca (Spain); Department of Inorganic Chemistry of the Friedrich-Alexander University of Erlangen-Nürmberg (Germany). She has carried out a post-doc stage of one year at the Meisei University in Tokyo (Japan) at the Frontier Research Center for the Global Environment Protection in the group of Professor Hisao Hidaka. (August 2006 to July 2007).

Associate Professor n Chemistry (SSD CHIM 07) i at the UNIPA since January 2015. She has been enabled to became Full Professor by the National Commission of the Italian University Education in March 2017.

She is co-author of 97 scientific papers in ISI journals (peer reviewed) with H-index 37.
(5074 citations in 4213 documents). Source: Scopus June 2022.

Co-editor of the book "Materials Science in Photocatalysis" Elsevier. 1st Edition, 2021. ISBN: 9780128218594

She is co-author of 12 chapters on scientific books and more than 250 works presented at National and International Congress.

Invited Editor of a special issue of the journal "Catalysts" (MDPI) titled: "Photocatalytic Materials alternative to TiO_2 for environmental remediation, sustainable chemistry and energy conversion".

-Member of the Editorial board of:
1) "International Journal of Photoenergy". Journal Hindawi Publishing Corporation.
2) "Materials" an MDIP open access journal; IF 3.623.
3) "Journal of Photocatalysis" by Bentham Science Publishers.

She has been invited by prestigious Professors to give lectures at institutions of scientific research as:
-Professor Jincai Zhao at the Institute of Chemistry, University of Chinese Acedemic of Sciences. Key Laboratory of Phtochemistry in Beijing (July 2016)
-Professor A. Bielansky at the Jagellonian University, Krakow, Poland and at the Jerzy Haber Institute of Catalysis in Krakow, Poland (April 2014), where he also conducted a period of research as invited professor (April 2014).