Vincenzina Barbera

List of Publications by Year in Descending Order

30 papers	329 citations	12 h-index	17 g-index
35 ext. papers	377 ext. citations	4.9 avg, IF	3.17 L-index

#	Paper	IF	Citations
30	Facile Edge Functionalization of Graphene Layers with a Biosourced 2-Pyrone. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 4082-4093	8.3	0
29	Bionanocomposites based on a covalent network of chitosan and edge functionalized graphene layers. *Journal of Applied Biomaterials and Functional Materials*, **2021**, 19, 22808000211017431	1.8	
28	Environmentally Friendly and Regioselective One-Pot Synthesis of Imines and Oxazolidines Serinol Derivatives and Their Use for Rubber Cross-Linking. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 9356-9366	8.3	7
27	Functionalization of Single and Multi-Walled Carbon Nanotubes with Polypropylene Glycol Decorated Pyrrole for the Development of Doxorubicin Nano-Conveyors for Cancer Drug Delivery. *Nanomaterials*, **2020**, 10,	5.4	13
26	Tuning the Solubility Parameters of Carbon Nanotubes by Means of Their Adducts with Pyrrole Compounds. *Nanomaterials*, **2020**, 10,	5.4	5
25	A Graphene-Based Supramolecular Nanoreactor for the Fast Synthesis of Imines in Water. *Small*, **2020**, 16, e2001207	11	1
24	Functionalized sp2 carbon allotropes as fillers for rubber nanocomposites **2020**, 43-92		
23	Catalytic Ozonation Using Edge-Hydroxylated Graphite-Based Materials. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 17443-17452	8.3	9
22	Processing and strain induced crystallization and reinforcement under strain of poly(1,4-cis-isoprene) from Ziegler□Natta catalysis, hevea brasiliensis, taraxacum kok-saghyz and partenium argentatum. *Advanced Industrial and Engineering Polymer Research*, **2019**, 2, 1-12	7.3	1
21	Edge Functionalized Graphene Layers for (Ultra) High Exfoliation in Carbon Papers and Aerogels in the Presence of Chitosan. *Materials*, **2019**, 13,	3.5	3
20	Selective edge functionalization of graphene layers with oxygenated groups by means of Reimer□Tiemann and domino Reimer□Tiemann/Cannizzaro reactions. *Journal of Materials Chemistry A*, **2018**, 6, 7749-7761	13	15
19	Facile and sustainable functionalization of graphene layers with pyrrole compounds. *Pure and Applied Chemistry*, **2018**, 90, 253-270	2.1	10
18	SERINOL DERIVATIVES FOR THE SUSTAINABLE VULCANIZATION OF DIENE ELASTOMERS. *Rubber Chemistry and Technology*, **2018**, 91, 701-718	1.7	3
17	Domino Reaction for the Sustainable Functionalization of Few-Layer Graphene. *Nanomaterials*, **2018**, 9,	5.4	13
16	sp2 carbon allotropes in elastomer matrix: From master curves for the mechanical reinforcement to lightweight materials. *EXPRESS Polymer Letters*, **2018**, 12, 265-283	3.4	7
15	Anisotropic properties of elastomeric nanocomposites based on natural rubber and sp2 carbon allotropes. *EXPRESS Polymer Letters*, **2018**, 12, 713-730	3.4	5
14	Controlled Functionalization of Graphene Layers **2017**,		1

13	Master curves for the sulphur assisted crosslinking reaction of natural rubber in the presence of nano- and nano-structured sp2 carbon allotropes. *EXPRESS Polymer Letters*, **2017**, 11, 435-448	3.4	9
12	Carbon Papers and Aerogels Based on Graphene Layers and Chitosan: Direct Preparation from High Surface Area Graphite. *Biomacromolecules*, **2017**, 18, 3978-3991	6.9	15
11	FACILE FUNCTIONALIZATION OF sp2 CARBON ALLOTROPES WITH A BIOBASED JANUS MOLECULE. *Rubber Chemistry and Technology*, **2017**, 90, 285-307	1.7	17
10	Polyhydroxylated few layer graphene for the preparation of flexible conductive carbon paper. *RSC Advances*, **2016**, 6, 87767-87777	3.7	14
9	Crystallinity and crystalline phase orientation of poly(1,4-cis-isoprene) from Hevea brasiliensis and Taraxacum kok-saghyz. *Polymers for Advanced Technologies*, **2016**, 27, 1082-1090	3.2	19
8	Polyether from a biobased Janus molecule as surfactant for carbon nanotubes. *EXPRESS Polymer Letters*, **2016**, 10, 548-558	3.4	4
7	Supramolecular interactions of carbon nanotubes with biosourced polyurethanes from 2-(2,5-dimethyl-1H-pyrrol-1-yl)-1,3-propanediol. *Polymer*, **2015**, 63, 62-70	3.9	14
6	Biobased Janus molecule for the facile preparation of water solutions of few layer graphene sheets. *RSC Advances*, **2015**, 5, 81142-81152	3.7	19
5	Thermally reversible highly cross-linked polymeric materials based on furan/maleimide Diels-Alder adducts. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	15
4	Synthesis and biological evaluation of 1,7,8,8a-tetrahydro-3H-oxazolo[3,4-a]pyrazin-6(5H)-ones as antitumoral agents. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 5748-53	3.4	4
3	Selective Intramolecular Palladium(II)-Catalyzed Aminooxygenation vs. Diamination of Alkenylureas: Efficient Microwave-Assisted Reactions to Bicyclic Piperazinones. *Advanced Synthesis and Catalysis*, **2013**, 355, 1640-1648	5.6	38
2	Palladium(II)/Copper Halide/Solvent Combination for Selective Intramolecular Domino Reactions of Indolecarboxylic Acid Allylamides: An Unprecedented Arylation/Esterification Sequence. *Advanced Synthesis and Catalysis*, **2012**, 354, 159-170	5.6	54
1	Design, Synthesis, Molecular Docking and Crystal Structure Prediction of New Azasugar Analogues of β-Glucosidase Inhibitors. *European Journal of Organic Chemistry*, **2011**, 2011, 7278-7287	3.2	12