Vincenzina Barbera

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4551566/publications.pdf

Version: 2024-02-01

33	484	623188 14	713013 21
papers	citations	h-index	g-index

35	35	35	478
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	2.1	59
2	Selective Intramolecular Palladium(II)â€Catalyzed Aminooxygenation vs. Diamination of Alkenylureas: Efficient Microwaveâ€Assisted Reactions to Bicyclic Piperazinones. Advanced Synthesis and Catalysis, 2013, 355, 1640-1648.	2.1	44
3	Crystallinity and crystalline phase orientation of poly(1,4-cis-isoprene) fromHevea brasiliensisandTaraxacum kok-saghyz. Polymers for Advanced Technologies, 2016, 27, 1082-1090.	1.6	30
4	FACILE FUNCTIONALIZATION OF sp2 CARBON ALLOTROPES WITH A BIOBASED JANUS MOLECULE. Rubber Chemistry and Technology, 2017, 90, 285-307.	0.6	30
5	Biobased Janus molecule for the facile preparation of water solutions of few layer graphene sheets. RSC Advances, 2015, 5, 81142-81152.	1.7	27
6	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, 1073.	1.9	26
7	Domino Reaction for the Sustainable Functionalization of Few-Layer Graphene. Nanomaterials, 2019, 9, 44.	1.9	22
8	Selective edge functionalization of graphene layers with oxygenated groups by means of Reimerâ€“Tiemann and domino Reimerâ€“Tiemann/Cannizzaro reactions. Journal of Materials Chemistry A, 2018, 6, 7749-7761.	5.2	20
9	Carbon Papers and Aerogels Based on Graphene Layers and Chitosan: Direct Preparation from High Surface Area Graphite. Biomacromolecules, 2017, 18, 3978-3991.	2.6	19
10	Facile and sustainable functionalization of graphene layers with pyrrole compounds. Pure and Applied Chemistry, 2018, 90, 253-270.	0.9	19
11	Thermally reversible highly crossâ€linked polymeric materials based on furan/maleimide <scp>D</scp>ielsâ€<scp>A</scp>lder adducts. Journal of Applied Polymer Science, 2015, 132, .	1.3	18
12	Polyhydroxylated few layer graphene for the preparation of flexible conductive carbon paper. RSC Advances, 2016, 6, 87767-87777.	1.7	18
13	Catalytic Ozonation Using Edge-Hydroxylated Graphite-Based Materials. ACS Sustainable Chemistry and Engineering, 2019, 7, 17443-17452.	3.2	18
14	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.	1.8	17
15	Tuning the Solubility Parameters of Carbon Nanotubes by Means of Their Adducts with Janus Pyrrole Compounds. Nanomaterials, 2020, 10, 1176.	1.9	15
16	Design, Synthesis, Molecular Docking and Crystal Structure Prediction of New Azasugar Analogues of Î±â€Glucosidase Inhibitors. European Journal of Organic Chemistry, 2011, 2011, 7278-7287.	1.2	13
17	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.	1.1	12
18	sp2 carbon allotropes in elastomer matrix: From master curves for the mechanical reinforcement to lightweight materials. EXPRESS Polymer Letters, 2018, 12, 265-283.	1.1	11

#	Article	IF	Citations
19	Anisotropic properties of elastomeric nanocomposites based on natural rubber and sp2 carbon allotropes. EXPRESS Polymer Letters, 2018, 12, 713-730.	1.1	9
20	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.	3.2	9
21	Edge Functionalized Graphene Layers for (Ultra) High Exfoliation in Carbon Papers and Aerogels in the Presence of Chitosan. Materials, 2020, 13, 39.	1.3	8
22	A sustainable porous composite material based on loofah-halloysite for gas adsorption and drug delivery. Materials Chemistry Frontiers, 2022, 6, 2233-2243.	3.2	8
23	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, 5748-5753.	1.4	6
24	Polyether from a biobased Janus molecule as surfactant for carbon nanotubes. EXPRESS Polymer Letters, 2016, 10, 548-558.	1.1	6
25	A Grapheneâ€Based Supramolecular Nanoreactor for the Fast Synthesis of Imines in Water. Small, 2020, 16, e2001207.	5.2	4
26	SERINOL DERIVATIVES FOR THE SUSTAINABLE VULCANIZATION OF DIENE ELASTOMERS. Rubber Chemistry and Technology, 2018, 91, 701-718.	0.6	4
27	Facile Edge Functionalization of Graphene Layers with a Biosourced 2-Pyrone. ACS Sustainable Chemistry and Engineering, 2022, 10, 4082-4093.	3.2	4
28	Processing and strain induced crystallization and reinforcement under strain of poly(1,4-cis-isoprene) from Zieglerâ€“Natta catalysis, hevea brasiliensis, taraxacum kok-saghyz and partenium argentatum. Advanced Industrial and Engineering Polymer Research, 2019, 2, 1-12.	2.7	3
29	Functionalized sp2 carbon allotropes as fillers for rubber nanocomposites. , 2020, , 43-92.		3
30	Controlled Functionalization of Graphene Layers. , 0, , .		1
31	Polyhydroxylated Nanosized Graphite as Multifunctional Building Block for Polyurethanes. Polymers, 2022, 14, 1159.	2.0	1
32	Interactive effects between carbon allotropes on the mechanical reinforcement of nanocomposites based on poly(1,4-cis-isoprene). , 2014, , .		0
33	Bionanocomposites based on a covalent network of chitosan and edge functionalized graphene layers. Journal of Applied Biomaterials and Functional Materials, 2021, 19, 228080002110174.	0.7	0