Elena Vismara

List of Publications by Year in descending order

59 papers	2,487 citations	236925 25 h-index	197818 49 g-index
59 all docs	59 docs citations	59 times ranked	2088 citing authors

#	Article	IF	Citations
1	Suspended Multifunctional Nanocellulose as Additive for Mortars. Nanomaterials, 2022, 12, 1093.	4.1	1
2	Nanocellulose from Cotton Waste and Its Glycidyl Methacrylate Grafting and Allylation: Synthesis, Characterization and Adsorption Properties. Nanomaterials, 2021, 11, 476.	4.1	5
3	Bacterial Nanocellulose and Its Surface Modification by Glycidyl Methacrylate and Ethylene Glycol Dimethacrylate. Incorporation of Vancomycin and Ciprofloxacin. Nanomaterials, 2019, 9, 1668.	4.1	22
4	Polyvinyl acetate processing wastewater treatment using combined Fentonâ€™s reagent and fungal consortium: Application of central composite design for conditions optimization. Journal of Hazardous Materials, 2018, 358, 243-255.	12.4	28
5	Albumin and Hyaluronic Acid-Coated Superparamagnetic Iron Oxide Nanoparticles Loaded with Paclitaxel for Biomedical Applications. Molecules, 2017, 22, 1030.	3.8	56
6	Self-Assembled Lipid Nanoparticles for Oral Delivery of Heparin-Coated Iron Oxide Nanoparticles for Theranostic Purposes. Molecules, 2017, 22, 963.	3.8	26
7	Conformational changes of 1-4-glucopyranosyl residues of a sulfated CC linked hexasaccharide. Carbohydrate Research, 2014, 389, 134-140.	2.3	2
8	Heparin and Carboxymethylchitosan Metal Nanoparticles: An Evaluation of Their Cytotoxicity. BioMed Research International, 2013, 2013, 1-10.	1.9	34
9	Posidonia oceanica as a Renewable Lignocellulosic Biomass for the Synthesis of Cellulose Acetate and Glycidyl Methacrylate Grafted Cellulose. Materials, 2013, 6, 2043-2058.	2.9	23
10	Non-Covalent Synthesis of Metal Oxide Nanoparticleâ€“Heparin Hybrid Systems: A New Approach to Bioactive Nanoparticles. International Journal of Molecular Sciences, 2013, 14, 13463-13481.	4.1	19
11	Anti-metastatic Semi-synthetic Sulfated Maltotriose C-C Linked Dimers. Synthesis and Characterisation. Molecules, 2012, 17, 9912-9930.	3.8	7
12	Sulfated Hexasaccharides Attenuate Metastasis by Inhibition of P-selectin and Heparanase. Neoplasia, 2011, 13, 445-452.	5.3	45
13	Radical-based grafting of GMA on sutures of different nature. Organic and Biomolecular Chemistry, 2011, 9, 3199.	2.8	3
14	Low-molecular-weight heparin from Cu2+ and Fe2+ Fenton type depolymerisation processes. Thrombosis and Haemostasis, 2010, 103, 613-622.	3.4	20
15	Electrochemical Characterisation of 6-Iodomaltose, 6â€²-Iodomaltose and 6-Iodomaltotriose on a Silver Cathode and Their One-Pot Electrochemical Dimerisation to New Mixed O/C Maltotetraose and Maltohexaose Mimics. Chemistry - A European Journal, 2009, 15, 8005-8014.	3.3	7
16	Surface functionalization of cotton cellulose with glycidyl methacrylate and its application for the adsorption of aromatic pollutants from wastewaters. Journal of Hazardous Materials, 2009, 170, 798-808.	12.4	60
17	Alpha cellulose from industrial and agricultural renewable sources like short flax fibres, ears of corn and wheat-straw and its transformation into cellulose acetates. Journal of Materials Chemistry, 2009, 19, 8678.	6.7	15
18	Structural Modification Induced in Heparin by a Fenton-Type Depolymerization Process. Seminars in Thrombosis and Hemostasis, 2007, 33, 466-477.	2.7	21

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19	Electron beam irradiated textile cellulose fibres.. European Polymer Journal, 2005, 41, 1787-1797.	5.4	67
20	Synthesis and characterisation of hexa- and tetrasaccharide mimics from acetobromomaltotriose and acetobromomaltose, and of C-disaccharide mimics from acetobromoglucose, obtained by electrochemical reduction on silver. Tetrahedron: Asymmetry, 2005, 16, 243-253.	1.8	17
21	Free radical generation during chemical depolymerization of heparin. Analytical Biochemistry, 2005, 344, 193-203.	2.4	22
22	Controlled Î³-ray irradiation of heparin generates oligosaccharides enriched in highly sulfated sequences. Carbohydrate Polymers, 2004, 55, 101-112.	10.2	12
23	Acetobromomaltose, a New Source of Carbohydrate Radicals. EPR Characterisation of Maltosyl and 2-Deoxymaltos-2-yl Radicals and Syntheses of Tetrasaccharide-like Mimics, Maltal, 3-Î±-Maltosyl Propiononitrile, 1,5-Anhydromaltitol and 2-Deoxymaltopyranoside. Tetrahedron, 2000, 56, 6291-6297.	1.9	6
24	Electrochemical reduction of halogenosugars on silver: a new approach to C-disaccharide-like mimics. Chemical Communications, 1998, , 1575-1576.	4.1	28
25	Glycosyl Halides as Building Blocks for the Electrosynthesis of Glycosides. Journal of the Electrochemical Society, 1998, 145, 1108-1112.	2.9	33
26	C-Glucosyl quinones and related spacer-connected C-disaccharide. Chemical Communications, 1997, , 1617-1618.	4.1	6
27	Synthesis of Stable Analogues of Glyceroglycolipids. Tetrahedron, 1997, 53, 6163-6170.	1.9	18
28	Glycomimetics via a new glycoexoenitolsâ€“malonyl radical Câ€“C bond formation. Chemical Communications, 1996, , 1253-1254.	4.1	22
29	Reactivity of glucosyl radical in the presence of phenols. Tetrahedron, 1996, 52, 10241-10248.	1.9	15
30	Reactivity of carbohydrate radicals derived from iodo sugars and dibenzoyl peroxide. Homolytic heteroaromatic and aromatic substitution, reduction, and oxidation. Journal of Organic Chemistry, 1993, 58, 959-963.	3.2	22
31	A new approach to the stereoselective synthesis of C-nucleosides via homolytic heteroaromatic substitution. Tetrahedron Letters, 1992, 33, 7575-7578.	1.4	28
32	Homolytic acylation of protonated pyridines and pyrazines with .alpha.-keto acids: the problem of monoacylation. Journal of Organic Chemistry, 1991, 56, 2866-2869.	3.2	190
33	Homolytic alkylation of naphthoquinone and methyl-naphtoquinone. Enthalpic steric and polar effects. Tetrahedron, 1991, 47, 7343-7352.	1.9	25
34	Substitutions by nucleophilic free radicals: A new general reaction of heteroaromatic bases. Journal of Heterocyclic Chemistry, 1990, 27, 79-96.	2.6	239
35	Homolytic alkylation of heteroaromatic bases : the problem of monoalkylation. Tetrahedron, 1990, 46, 2525-2538.	1.9	42
36	Recent Developments of Free-Radical Substitutions of Heteroaromatic Bases. Heterocycles, 1989, 28, 489.	0.7	428

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37	An ESR approach to hypervalent iodine induced iododecarboxylation. Research on Chemical Intermediates, 1989, 11, 117-126.	2.7	16
38	A new general method of homolytic alkylation of protonated heteroaromatic bases by carboxylic acids and iodosobenzene diacetate. Tetrahedron Letters, 1989, 30, 4569-4572.	1.4	53
39	Homolytic alkylation of protonated heteroaromatic bases by alkyl iodides, hydrogen peroxide, and dimethyl sulfoxide. Journal of Organic Chemistry, 1989, 54, 5224-5227.	3.2	79
40	Facile and convenient syntheses of quinones from phenols. Journal of Organic Chemistry, 1989, 54, 728-731.	3.2	52
41	Redox Catalysis and Electron-Transfer Processes in Selective Organic Syntheses. , 1989, , 29-60.		0
42	A new type of functionalization of the benzylic-type positions in alkylpyridines by DMSO-AC2O.. Tetrahedron Letters, 1988, 29, 4619-4622.	1.4	1
43	New general and convenient sources of alkyl radicals, useful for selective syntheses. Tetrahedron Letters, 1988, 29, 1975-1978.	1.4	39
44	Polar effects in free-radical reactions. Solvent and isotope effects and effects of base catalysis on the regio- and chemoselectivity of the substitution of protonated heteroaromatic bases by nucleophilic carbon-centered radicals. Journal of Organic Chemistry, 1987, 52, 730-736.	3.2	99
45	New general and convenient sources of alkyl radicals, useful for selective syntheses. Tetrahedron Letters, 1987, 28, 6373-6376.	1.4	6
46	Polar effects in free-radical reactions. Rate constants in phenylation and new methods of selective alkylation of heteroaromatic bases. Journal of Organic Chemistry, 1986, 51, 4411-4416.	3.2	110
47	Polar effects in free-radical reactions. Selectivity and reversibility in the homolytic benzylation of protonated heteroaromatic bases. Journal of Organic Chemistry, 1986, 51, 476-479.	3.2	43
48	Polar effects in free-radical reactions. New selective alkylations of heteroaromatic bases by benzoylperoxide and olefins.. Tetrahedron Letters, 1986, 27, 3187-3190.	1.4	12
49	A general, selective, and convenient procedure of homolytic formylation of heteroaromatic bases. Journal of Organic Chemistry, 1986, 51, 536-537.	3.2	62
50	Polar effects in free-radical reactions. New synthetic developments in the functionalization of heteroaromatic bases by nucleophilic radicals. Tetrahedron, 1985, 41, 4157-4170.	1.9	103
51	Silver-mediated oxidative decarboxylation of carboxylic acids by peroxocompounds new sources of carbon-centered radicals for heteroaromatic substitution. Tetrahedron Letters, 1985, 26, 4803-4806.	1.4	15
52	A new general method of homolytic alkylation of protonated heteroaromatic bases. Tetrahedron Letters, 1984, 25, 3897-3900.	1.4	20
53	Polar effects in free radical reactions. Induced decompositions of peroxo compounds in the substitution of heteroaromatic bases by nucleophilic radicals. Journal of the American Chemical Society, 1984, 106, 7146-7150.	13.7	50
54	Polar effects in the homolytic methylation of pyrimidine: orientation and polysubstitution. Journal of the Chemical Society Perkin Transactions II, 1984, , 293.	0.9	14

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55	Steric, polar, and resonance effects in reactivity and regioselectivity of aryl radical addition to .alpha.,.beta.-unsaturated carbonyl compounds. Journal of Organic Chemistry, 1982, 47, 81-88.	3.2	47
56	Homolytic aromatic acetylation. A new substitution reaction of arenediazonium salts. Tetrahedron Letters, 1982, 23, 1831-1834.	1.4	7
57	Free-radical reactions of diazonium salts with Î±,Î²-unsaturated carbonyl compounds. A new synthesis of 1,4-diarylpyrazole derivatives. Journal of Heterocyclic Chemistry, 1981, 18, 763-766.	2.6	17
58	2-Arylalkyl Ketones and 3-Arylalkanals from Arenediazonium Salts and Î±,Î²-Unsaturated Carbonyl Compounds. Synthesis, 1980, 1980, 291-292.	2.3	22
59	One-Step Synthesis of 9-Oxodecanoic Acid and its Methyl Ester; A Useful Starting Material for Prostaglandin Synthesis. Synthesis, 1980, 1980, 751-753.	2.3	6