

Elena Vismara

List of Publications by Year in descending order

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59
papers

2,487
citations

236912

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Developments of Free-Radical Substitutions of Heteroaromatic Bases. <i>Heterocycles</i> , 1989, 28, 489.	0.7	428
2	Substitutions by nucleophilic free radicals: A new general reaction of heteroaromatic bases. <i>Journal of Heterocyclic Chemistry</i> , 1990, 27, 79-96.	2.6	239
3	Homolytic acylation of protonated pyridines and pyrazines with .alpha.-keto acids: the problem of monoacylation. <i>Journal of Organic Chemistry</i> , 1991, 56, 2866-2869.	3.2	190
4	Polar effects in free-radical reactions. Rate constants in phenylation and new methods of selective alkylation of heteroaromatic bases. <i>Journal of Organic Chemistry</i> , 1986, 51, 4411-4416.	3.2	110
5	Polar effects in free-radical reactions. New synthetic developments in the functionalization of heteroaromatic bases by nucleophilic radicals. <i>Tetrahedron</i> , 1985, 41, 4157-4170.	1.9	103
6	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. <i>Journal of Organic Chemistry</i> , 1987, 52, 730-736.	3.2	99
7	Homolytic alkylation of protonated heteroaromatic bases by alkyl iodides, hydrogen peroxide, and dimethyl sulfoxide. <i>Journal of Organic Chemistry</i> , 1989, 54, 5224-5227.	3.2	79
8	Electron beam irradiated textile cellulose fibres.. <i>European Polymer Journal</i> , 2005, 41, 1787-1797.	5.4	67
9	A general, selective, and convenient procedure of homolytic formylation of heteroaromatic bases. <i>Journal of Organic Chemistry</i> , 1986, 51, 536-537.	3.2	62
10	Surface functionalization of cotton cellulose with glycidyl methacrylate and its application for the adsorption of aromatic pollutants from wastewaters. <i>Journal of Hazardous Materials</i> , 2009, 170, 798-808.	12.4	60
11	Albumin and Hyaluronic Acid-Coated Superparamagnetic Iron Oxide Nanoparticles Loaded with Paclitaxel for Biomedical Applications. <i>Molecules</i> , 2017, 22, 1030.	3.8	56
12	A new general method of homolytic alkylation of protonated heteroaromatic bases by carboxylic acids and iodosobenzene diacetate. <i>Tetrahedron Letters</i> , 1989, 30, 4569-4572.	1.4	53
13	Facile and convenient syntheses of quinones from phenols. <i>Journal of Organic Chemistry</i> , 1989, 54, 728-731.	3.2	52
14	Polar effects in free radical reactions. Induced decompositions of peroxo compounds in the substitution of heteroaromatic bases by nucleophilic radicals. <i>Journal of the American Chemical Society</i> , 1984, 106, 7146-7150.	13.7	50
15	Steric, polar, and resonance effects in reactivity and regioselectivity of aryl radical addition to .alpha.,.beta.-unsaturated carbonyl compounds. <i>Journal of Organic Chemistry</i> , 1982, 47, 81-88.	3.2	47
16	Sulfated Hexasaccharides Attenuate Metastasis by Inhibition of P-selectin and Heparanase. <i>Neoplasia</i> , 2011, 13, 445-452.	5.3	45
17	Polar effects in free-radical reactions. Selectivity and reversibility in the homolytic benzylation of protonated heteroaromatic bases. <i>Journal of Organic Chemistry</i> , 1986, 51, 476-479.	3.2	43
18	Homolytic alkylation of heteroaromatic bases : the problem of monoalkylation. <i>Tetrahedron</i> , 1990, 46, 2525-2538.	1.9	42

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19	New general and convenient sources of alkyl radicals, useful for selective syntheses. <i>Tetrahedron Letters</i> , 1988, 29, 1975-1978.	1.4	39
20	Heparin and Carboxymethylchitosan Metal Nanoparticles: An Evaluation of Their Cytotoxicity. <i>BioMed Research International</i> , 2013, 2013, 1-10.	1.9	34
21	Glycosyl Halides as Building Blocks for the Electrosynthesis of Glycosides. <i>Journal of the Electrochemical Society</i> , 1998, 145, 1108-1112.	2.9	33
22	A new approach to the stereoselective synthesis of C-nucleosides via homolytic heteroaromatic substitution. <i>Tetrahedron Letters</i> , 1992, 33, 7575-7578.	1.4	28
23	Electrochemical reduction of halogenosugars on silver: a new approach to C-disaccharide-like mimics. <i>Chemical Communications</i> , 1998, , 1575-1576.	4.1	28
24	Polyvinyl acetate processing wastewater treatment using combined Fenton's reagent and fungal consortium: Application of central composite design for conditions optimization. <i>Journal of Hazardous Materials</i> , 2018, 358, 243-255.	12.4	28
25	Self-Assembled Lipid Nanoparticles for Oral Delivery of Heparin-Coated Iron Oxide Nanoparticles for Theranostic Purposes. <i>Molecules</i> , 2017, 22, 963.	3.8	26
26	Homolytic alkylation of naphthoquinone and methyl-naphthoquinone. Enthalpic steric and polar effects. <i>Tetrahedron</i> , 1991, 47, 7343-7352.	1.9	25
27	<i>Posidonia oceanica</i> as a Renewable Lignocellulosic Biomass for the Synthesis of Cellulose Acetate and Glycidyl Methacrylate Grafted Cellulose. <i>Materials</i> , 2013, 6, 2043-2058.	2.9	23
28	2-Arylalkyl Ketones and 3-Arylalkyl Ketones from Arenediazonium Salts and α,β -Unsaturated Carbonyl Compounds. <i>Synthesis</i> , 1980, 1980, 291-292.	2.3	22
29	Reactivity of carbohydrate radicals derived from iodo sugars and dibenzoyl peroxide. Homolytic heteroaromatic and aromatic substitution, reduction, and oxidation. <i>Journal of Organic Chemistry</i> , 1993, 58, 959-963.	3.2	22
30	Glycomimetics via a new glycooxenitols' malonyl radical C-C bond formation. <i>Chemical Communications</i> , 1996, , 1253-1254.	4.1	22
31	Free radical generation during chemical depolymerization of heparin. <i>Analytical Biochemistry</i> , 2005, 344, 193-203.	2.4	22
32	Bacterial Nanocellulose and Its Surface Modification by Glycidyl Methacrylate and Ethylene Glycol Dimethacrylate. Incorporation of Vancomycin and Ciprofloxacin. <i>Nanomaterials</i> , 2019, 9, 1668.	4.1	22
33	Structural Modification Induced in Heparin by a Fenton-Type Depolymerization Process. <i>Seminars in Thrombosis and Hemostasis</i> , 2007, 33, 466-477.	2.7	21
34	A new general method of homolytic alkylation of protonated heteroaromatic bases. <i>Tetrahedron Letters</i> , 1984, 25, 3897-3900.	1.4	20
35	Low-molecular-weight heparin from Cu ²⁺ and Fe ²⁺ Fenton type depolymerisation processes. <i>Thrombosis and Haemostasis</i> , 2010, 103, 613-622.	3.4	20
36	Non-Covalent Synthesis of Metal Oxide Nanoparticle-Heparin Hybrid Systems: A New Approach to Bioactive Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13463-13481.	4.1	19

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37	Synthesis of Stable Analogues of Glyceroglycolipids. <i>Tetrahedron</i> , 1997, 53, 6163-6170.	1.9	18
38	Free-radical reactions of diazonium salts with $\hat{1},\hat{2}$ -unsaturated carbonyl compounds. A new synthesis of 1,4-diarylpyrazole derivatives. <i>Journal of Heterocyclic Chemistry</i> , 1981, 18, 763-766.	2.6	17
39	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. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 243-253.	1.8	17
40	An ESR approach to hypervalent iodine induced iododecarboxylation. <i>Research on Chemical Intermediates</i> , 1989, 11, 117-126.	2.7	16
41	Silver-mediated oxidative decarboxylation of carboxylic acids by peroxocompounds new sources of carbon-centered radicals for heteroaromatic substitution. <i>Tetrahedron Letters</i> , 1985, 26, 4803-4806.	1.4	15
42	Reactivity of glucosyl radical in the presence of phenols. <i>Tetrahedron</i> , 1996, 52, 10241-10248.	1.9	15
43	Alpha cellulose from industrial and agricultural renewable sources like short flax fibres, ears of corn and wheat-straw and its transformation into cellulose acetates. <i>Journal of Materials Chemistry</i> , 2009, 19, 8678.	6.7	15
44	Polar effects in the homolytic methylation of pyrimidine: orientation and polysubstitution. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1984, , 293.	0.9	14
45	Polar effects in free-radical reactions. New selective alkylations of heteroaromatic bases by benzoylperoxide and olefins.. <i>Tetrahedron Letters</i> , 1986, 27, 3187-3190.	1.4	12
46	Controlled $\hat{1}^3$ -ray irradiation of heparin generates oligosaccharides enriched in highly sulfated sequences. <i>Carbohydrate Polymers</i> , 2004, 55, 101-112.	10.2	12
47	Homolytic aromatic acetylation. A new substitution reaction of arenediazonium salts. <i>Tetrahedron Letters</i> , 1982, 23, 1831-1834.	1.4	7
48	Electrochemical Characterisation of 6-Iodomaltose, 6- $\hat{2}$ -Iodomaltose and 6-Iodomaltotriose on a Silver Cathode and Their One-Pot Electrochemical Dimerisation to New Mixed O/C Maltotetraose and Maltohexaose Mimics. <i>Chemistry - A European Journal</i> , 2009, 15, 8005-8014.	3.3	7
49	Anti-metastatic Semi-synthetic Sulfated Maltotriose C-C Linked Dimers. Synthesis and Characterisation. <i>Molecules</i> , 2012, 17, 9912-9930.	3.8	7
50	One-Step Synthesis of 9-Oxodecanoic Acid and its Methyl Ester; A Useful Starting Material for Prostaglandin Synthesis. <i>Synthesis</i> , 1980, 1980, 751-753.	2.3	6
51	New general and convenient sources of alkyl radicals, useful for selective syntheses. <i>Tetrahedron Letters</i> , 1987, 28, 6373-6376.	1.4	6
52	C-Glucosyl quinones and related spacer-connected C-disaccharide. <i>Chemical Communications</i> , 1997, , 1617-1618.	4.1	6
53	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- $\hat{1}$ -Maltosyl Propionitrile, 1,5-Anhydromaltitol and 2-Deoxymaltopyranoside. <i>Tetrahedron</i> , 2000, 56, 6291-6297.	1.9	6
54	Nanocellulose from Cotton Waste and Its Glycidyl Methacrylate Grafting and Allylation: Synthesis, Characterization and Adsorption Properties. <i>Nanomaterials</i> , 2021, 11, 476.	4.1	5

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55	Radical-based grafting of GMA on sutures of different nature. Organic and Biomolecular Chemistry, 2011, 9, 3199.	2.8	3
56	Conformational changes of 1-4-glucopyranosyl residues of a sulfated CC linked hexasaccharide. Carbohydrate Research, 2014, 389, 134-140.	2.3	2
57	A new type of functionalization of the benzylic-type positions in alkylpyridines by DMSO-AC2O.. Tetrahedron Letters, 1988, 29, 4619-4622.	1.4	1
58	Suspended Multifunctional Nanocellulose as Additive for Mortars. Nanomaterials, 2022, 12, 1093.	4.1	1
59	Redox Catalysis and Electron-Transfer Processes in Selective Organic Syntheses. , 1989, , 29-60.		0