

Ferdinando F Bruno

List of Publications by Year in descending order

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39
papers

1,414
citations

394421
19
h-index

377865
34
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39
all docs

39
docs citations

39
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Template in the Enzymatic Synthesis of Conducting Polyaniline. Journal of the American Chemical Society, 1999, 121, 11345-11355.	13.7	227
2	Manipulating DNA Conformation Using Intertwined Conducting Polymer Chains. Macromolecules, 2001, 34, 3921-3927.	4.8	149
3	Metal Oxide-Coated Polymer Nanofibers. Nano Letters, 2003, 3, 143-147.	9.1	145
4	An Enzymatically Synthesized Conducting Molecular Complex of Polyaniline and Poly(vinylphosphonic acid). Macromolecules, 2000, 33, 9542-9547.	4.8	117
5	Biomimetic Synthesis of a Water Soluble Conducting Molecular Complex of Polyaniline and Lignosulfonate. Biomacromolecules, 2002, 3, 937-941.	5.4	103
6	Photo-cross-linked Immobilization of Polyelectrolytes for Enzymatic Construction of Conductive Nanocomposites. Journal of the American Chemical Society, 2005, 127, 9100-9104.	13.7	82
7	Enzymic Mediated Synthesis of Conjugated Polymers at the Langmuir Trough Air-Water Interface. Langmuir, 1995, 11, 889-892.	3.5	68
8	Biocatalytically Synthesized Poly(3,4-ethylenedioxythiophene). Macromolecules, 2008, 41, 3049-3052.	4.8	66
9	Biomimetic Synthesis of Water-Soluble Conducting Copolymers/Homopolymers of Pyrrole and 3,4-Ethylenedioxythiophene. Biomacromolecules, 2006, 7, 586-589.	5.4	51
10	Enzymatic Synthesis and Characterization of PolyQuercetin. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1191-1196.	2.2	39
11	Micellar Nanoreactors for Hematin Catalyzed Synthesis of Electrically Conducting Polypyrrole. Langmuir, 2012, 28, 13380-13386.	3.5	36
12	Enzyme-Mediated Two-Dimensional Polymerization of Aromatic Derivatives on a Langmuir Trough. Industrial & Engineering Chemistry Research, 1995, 34, 4009-4015.	3.7	34
13	Synthesis of polyaniline derivatives via biocatalysis. Green Chemistry, 2007, 9, 44-48.	9.0	31
14	Synthesis of polypyrrole with fewer structural defects using enzyme catalysis. Synthetic Metals, 2011, 161, 1611-1617.	3.9	30
15	POLYMERIZATION OF WATER-SOLUBLE CONDUCTIVE POLYPHENOL USING HORSERADISH PEROXIDASE. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1417-1426.	2.2	28
16	Spectroscopic and Microscopic Analysis of Photo-cross-linked Vinylbenzylthymine Copolymers for Photoresist Applications. Chemistry of Materials, 2006, 18, 2873-2878.	6.7	22
17	NOVEL ENZYMATIC POLYETHYLENE OXIDE-POLYPHENOL SYSTEM FOR IONIC CONDUCTIVITY. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1061-1068.	2.2	21
18	Biocatalytic Synthesis of Water-Soluble Oligo(catechins). Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1547-1554.	2.2	21

#	ARTICLE	IF	CITATIONS
19	Biomimetic Synthesis of Water Soluble Conductive Polypyrrole and Poly(3,4-ethylenedioxythiophene). Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1327-1333.	2.2	20
20	Self-Doped Polyaniline/Poly(diallyldimethyl ammonium chloride) Complex: N-Type Doping with High Stability. Chemistry of Materials, 2006, 18, 2201-2204.	6.7	16
21	Self-doped carboxylated polyaniline: effect of hydrogen bonding on the doping of polymers. Macromolecular Research, 2009, 17, 631-637.	2.4	14
22	Enzymatic Synthesis of Electrically Conducting Polymers. ACS Symposium Series, 2010, , 315-341.	0.5	14
23	Electrospun polymer nanofibers coated with metal oxides by liquid phase deposition. Composite Interfaces, 2005, 11, 711-724.	2.3	13
24	Antioxidant potency of highly purified polyepicatechin fractions. Food Chemistry, 2012, 130, 902-907.	8.2	10
25	Conformational analysis of the conducting copolymer poly(3,4-ethylenedioxythiophene-co-pyrrole). Synthetic Metals, 2009, 159, 1409-1413.	3.9	9
26	A New Approach to Catalyze Template Polymerization of Aniline Using Electrostatically Multilayered Hematin Assemblies. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1335-1346.	2.2	8
27	Synthesis and Properties of Self-Doped Polyaniline with Polycationic Templates via Biocatalysis. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 2007-2018.	2.2	8
28	Template-Assisted Synthesis of Self-Doped Polyaniline: Morphological Effects of Templates on the Conductivity. Macromolecular Rapid Communications, 2007, 28, 1356-1360.	3.9	7
29	Enzyme Catalyzed Polymerization of Phenol and Aniline Derivatives on a Langmuir Trough to Form Ordered 2-D Polymer Films. Journal of Intelligent Material Systems and Structures, 1994, 5, 631-634.	2.5	6
30	Enzymatic Template Synthesis of Polyphenol. Materials Research Society Symposia Proceedings, 1999, 600, 255.	0.1	6
31	Facile enzymatic preparation of fluorescent conjugated polymers of phenols and their application in sensing. Journal of Applied Polymer Science, 2018, 135, 46496.	2.6	5
32	Biocatalytic synthesis of novel electronic and photovoltaic materials. Pure and Applied Chemistry, 2005, 77, 263-272.	1.9	4
33	Metalloporphyrin based Biomimetic Catalysts for Materials Synthesis and Biosensing. ACS Symposium Series, 2010, , 221-242.	0.5	2
34	The Enzymatic Mediated Polymerization of Phenol and Aniline Derivatives on a Langmuir Trough. Materials Research Society Symposia Proceedings, 1992, 292, 147.	0.1	1
35	Novel Enzymatically Synthesized Substituted Polyaniline with High Conjugation and Conductivity. MRS Advances, 2018, 3, 1519-1524.	0.9	1
36	Biochemical Synthesis and Unusual Conformational Switching of a Molecular Complex of Polyaniline and DNA. Materials Research Society Symposia Proceedings, 1999, 600, 249.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Novel Templated Polyphenol for Ionic Conductivity. Materials Research Society Symposia Proceedings, 2001, 702, 1.	0.1	0
38	Biomimetic Synthesis of Water Soluble Conductive Polypyrrole and Poly (3,4 ethylenedioxythiophene).. Materials Research Society Symposia Proceedings, 2002, 736, 1.	0.1	0
39	Advanced Materials from Enzymatic Polymerization of Substituted Phenols in Ordered Templates. , 1995, , 667-675.		0