

# Ferdinando F Bruno

## List of Publications by Year in descending order

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39  
papers

1,414  
citations

393982

19  
h-index

377514

34  
g-index

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all docs

39  
docs citations

39  
times ranked

1372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Enzymatically Synthesized Substituted Polyaniline with High Conjugation and Conductivity. MRS Advances, 2018, 3, 1519-1524.	0.5	1
2	Facile enzymatic preparation of fluorescent conjugated polymers of phenols and their application in sensing. Journal of Applied Polymer Science, 2018, 135, 46496.	1.3	5
3	Micellar Nanoreactors for Hematin Catalyzed Synthesis of Electrically Conducting Polypyrrole. Langmuir, 2012, 28, 13380-13386.	1.6	36
4	Antioxidant potency of highly purified polyepicatechin fractions. Food Chemistry, 2012, 130, 902-907.	4.2	10
5	Synthesis of polypyrrole with fewer structural defects using enzyme catalysis. Synthetic Metals, 2011, 161, 1611-1617.	2.1	30
6	Enzymatic Synthesis and Characterization of PolyQuercetin. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1191-1196.	1.2	39
7	Enzymatic Synthesis of Electrically Conducting Polymers. ACS Symposium Series, 2010, , 315-341.	0.5	14
8	Metalloporphyrin based Biomimetic Catalysts for Materials Synthesis and Biosensing. ACS Symposium Series, 2010, , 221-242.	0.5	2
9	Self-doped carboxylated polyaniline: effect of hydrogen bonding on the doping of polymers. Macromolecular Research, 2009, 17, 631-637.	1.0	14
10	Conformational analysis of the conducting copolymer poly(3,4-ethylenedioxythiophene-co-pyrrole). Synthetic Metals, 2009, 159, 1409-1413.	2.1	9
11	Biocatalytically Synthesized Poly(3,4-ethylenedioxythiophene). Macromolecules, 2008, 41, 3049-3052.	2.2	66
12	Synthesis of polyaniline derivatives via biocatalysis. Green Chemistry, 2007, 9, 44-48.	4.6	31
13	Template-Assisted Synthesis of Self-Doped Polyaniline: Morphological Effects of Templates on the Conductivity. Macromolecular Rapid Communications, 2007, 28, 1356-1360.	2.0	7
14	Spectroscopic and Microscopic Analysis of Photo-cross-linked Vinylbenzylthymine Copolymers for Photoresist Applications. Chemistry of Materials, 2006, 18, 2873-2878.	3.2	22
15	Synthesis and Properties of Self-Doped Polyaniline with Polycationic Templates via Biocatalysis. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 2007-2018.	1.2	8
16	Self-Doped Polyaniline/Poly(diallyldimethyl ammonium chloride) Complex: N-Type Doping with High Stability. Chemistry of Materials, 2006, 18, 2201-2204.	3.2	16
17	Biomimetic Synthesis of Water-Soluble Conducting Copolymers/Homopolymers of Pyrrole and 3,4-Ethylenedioxythiophene. Biomacromolecules, 2006, 7, 586-589.	2.6	51
18	Biocatalytic synthesis of novel electronic and photovoltaic materials. Pure and Applied Chemistry, 2005, 77, 263-272.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Electrospun polymer nanofibers coated with metal oxides by liquid phase deposition. <i>Composite Interfaces</i> , 2005, 11, 711-724.	1.3	13
20	Biocatalytic Synthesis of Water-Soluble Oligo(catechins). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 1547-1554.	1.2	21
21	Photo-cross-linked Immobilization of Polyelectrolytes for Enzymatic Construction of Conductive Nanocomposites. <i>Journal of the American Chemical Society</i> , 2005, 127, 9100-9104.	6.6	82
22	Metal Oxide-Coated Polymer Nanofibers. <i>Nano Letters</i> , 2003, 3, 143-147.	4.5	145
23	Biomimetic Synthesis of Water Soluble Conductive Polypyrrole and Poly(3,4-Ethylenedioxythiophene). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2003, 40, 1327-1333.	1.2	20
24	A New Approach to Catalyze Template Polymerization of Aniline Using Electrostatically Multilayered Hematin Assemblies. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2003, 40, 1335-1346.	1.2	8
25	Biomimetic Synthesis of Water Soluble Conductive Polypyrrole and Poly (3,4 ethylenedioxythiophene).. <i>Materials Research Society Symposia Proceedings</i> , 2002, 736, 1.	0.1	0
26	NOVEL ENZYMATIC POLYETHYLENE OXIDE-POLYPHENOL SYSTEM FOR IONIC CONDUCTIVITY. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2002, 39, 1061-1068.	1.2	21
27	Biomimetic Synthesis of a Water Soluble Conducting Molecular Complex of Polyaniline and Lignosulfonate. <i>Biomacromolecules</i> , 2002, 3, 937-941.	2.6	103
28	Manipulating DNA Conformation Using Intertwined Conducting Polymer Chains. <i>Macromolecules</i> , 2001, 34, 3921-3927.	2.2	149
29	Novel Templated Polyphenol for Ionic Conductivity. <i>Materials Research Society Symposia Proceedings</i> , 2001, 702, 1.	0.1	0
30	POLYMERIZATION OF WATER-SOLUBLE CONDUCTIVE POLYPHENOL USING HORSERADISH PEROXIDASE. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2001, 38, 1417-1426.	1.2	28
31	An Enzymatically Synthesized Conducting Molecular Complex of Polyaniline and Poly(vinylphosphonic acid). <i>Macromolecules</i> , 2000, 33, 9542-9547.	2.2	117
32	The Role of Template in the Enzymatic Synthesis of Conducting Polyaniline. <i>Journal of the American Chemical Society</i> , 1999, 121, 11345-11355.	6.6	227
33	Biochemical Synthesis and Unusual Conformational Switching of a Molecular Complex of Polyaniline and DNA. <i>Materials Research Society Symposia Proceedings</i> , 1999, 600, 249.	0.1	0
34	Enzymatic Template Synthesis of Polyphenol. <i>Materials Research Society Symposia Proceedings</i> , 1999, 600, 255.	0.1	6
35	Enzyme-Mediated Two-Dimensional Polymerization of Aromatic Derivatives on a Langmuir Trough. <i>Industrial &amp; Engineering Chemistry Research</i> , 1995, 34, 4009-4015.	1.8	34
36	Enzymic Mediated Synthesis of Conjugated Polymers at the Langmuir Trough Air-Water Interface. <i>Langmuir</i> , 1995, 11, 889-892.	1.6	68

#	ARTICLE	IF	CITATIONS
37	Advanced Materials from Enzymatic Polymerization of Substituted Phenols in Ordered Templates. , 1995, , 667-675.		0
38	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.	1.4	6
39	The Enzymatic Mediated Polymerization of Phenol and Aniline Derivatives on a Langmuir Trough. Materials Research Society Symposia Proceedings, 1992, 292, 147.	0.1	1