

# Francesco A Bottino

## List of Publications by Year in descending order

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44  
papers

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citations

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742  
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#	ARTICLE	IF	CITATIONS
1	Polystyrene-Clay Nanocomposites Prepared with Polymerizable Imidazolium Surfactants. <i>Macromolecular Rapid Communications</i> , 2003, 24, 1079-1084.	2.0	96
2	Calix[4]arenes with pyridine pendant groups. Regioselective proximal alkylation at the "lower rim". <i>Journal of Organic Chemistry</i> , 1989, 54, 5407-5409.	1.7	75
3	Thermal behaviour of a series of novel aliphatic bridged polyhedral oligomeric silsesquioxanes (POSSs)/polystyrene (PS) nanocomposites: The influence of the bridge length on the resistance to thermal degradation. <i>Polymer Degradation and Stability</i> , 2014, 102, 132-137.	2.7	55
4	Chemical modifications, mechanical properties and surface photo-oxidation of films of polystyrene (PS). <i>Polymer Testing</i> , 2004, 23, 405-411.	2.3	48
5	A kinetic study of the thermal and thermal oxidative degradations of new bridged POSS/PS nanocomposites. <i>Polymer Degradation and Stability</i> , 2013, 98, 2564-2570.	2.7	42
6	Synthesis and thermal characterization of new dumbbell shaped POSS/PS nanocomposites: Influence of the symmetrical structure of the nanoparticles on the dispersion/aggregation in the polymer matrix. <i>Polymer Composites</i> , 2015, 36, 1394-1400.	2.3	39
7	Synthesis, characterization and thermal stability of new dumbbell-shaped isobutyl-substituted POSSs linked by aromatic bridges. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 243-250.	2.0	38
8	Synthesis and thermal properties of new dumbbell-shaped isobutyl-substituted POSSs linked by aliphatic bridges. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 5-13.	2.0	37
9	Synthesis of functionalized polyhedral oligomeric silsesquioxane (POSS) macromers by microwave assisted 1,3-dipolar cycloaddition. <i>Tetrahedron</i> , 2005, 61, 7986-7993.	1.0	35
10	Synthesis and characterization of differently substituted phenyl hepta isobutyl- $\epsilon$ -polyhedral oligomeric silsesquioxane/polystyrene nanocomposites. <i>Polymer Composites</i> , 2014, 35, 151-157.	2.3	34
11	Photoactive Eu(III) and Tb(III) complexes of calix[4]arenes with pyridine-N-oxide pendant groups. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1991, 10, 387-392.	1.6	22
12	Synthesis and properties of pyridinocalixarenes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1994, 19, 85-100.	1.6	21
13	A study on chemical modifications, mechanical properties and surface photo-oxidation of films of polystyrene (PS) stabilised by hindered amines (HAS). <i>Polymer Testing</i> , 2004, 23, 779-789.	2.3	20
14	Kinetics of degradation and thermal behaviour of branched hepta phenyl POSS/PS nanocomposites. <i>Polymer Degradation and Stability</i> , 2016, 129, 374-379.	2.7	18
15	Dumbbell-shaped polyhedral oligomeric silsesquioxanes/polystyrene nanocomposites: The influence of the bridge rigidity on the resistance to thermal degradation. <i>Journal of Composite Materials</i> , 2015, 49, 2509-2517.	1.2	17
16	Synthesis and characterization of new poly(arylene)ethers containing heterocyclic units. <i>European Polymer Journal</i> , 1995, 31, 35-38.	2.6	16
17	Dynamic stereochemistry of bis(N-isopropylsalicylaldiminato) beryllium(II): enantiomerization process. <i>Journal of Organometallic Chemistry</i> , 1978, 160, 373-376.	0.8	15
18	Synthesis and thermal characterization of new dumbbell-shaped cyclopentyl-substituted POSSs linked by aliphatic and aromatic bridges. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 121, 1039-1048.	2.0	15

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19	Dicationic ( $\lambda^5$ -triphenylphosphonium cyclopentadienylidene)( $\lambda^4$ -diene)palladium(II) and -platinum(II) complexes. <i>Journal of Organometallic Chemistry</i> , 1982, 231, 265-270.	0.8	12
20	Metal selectivity properties of polymeric Schiff bases. <i>Inorganic and Nuclear Chemistry Letters</i> , 1980, 16, 417-421.	0.7	11
21	Dynamic stereochemistry of bis-salicylaldehyde chelate complexes of metals of II group. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1980, 42, 479-481.	0.5	11
22	Studies of substituent effects by carbon-13 NMR spectroscopy. $\lambda^5$ -Ethyl (E)-( $\lambda^5$ -cyano)cinnamates, (E)-( $\lambda^5$ -cyano)cinnamamides and ethyl ( $\lambda^5$ -ethoxycarbonyl)cinnamates. <i>Magnetic Resonance in Chemistry</i> , 1986, 24, 31-34.	1.1	11
23	The influence of the nature of POSSs cage's periphery on the thermal stability of a series of new bridged POSS/PS nanocomposites. <i>Polymer Degradation and Stability</i> , 2015, 121, 180-186.	2.7	11
24	Synthesis and characterization of new poly(arylene ether)s containing heterocyclic units. II. <i>Journal of Polymer Science Part A</i> , 1995, 33, 843-847.	2.5	10
25	Synthesis and properties of new poly(ether sulfone)amides. <i>Journal of Polymer Science Part A</i> , 1996, 34, 1305-1310.	2.5	10
26	Thermal characterization of a series of novel hepta cyclopentyl bridged POSS/PS nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 637-643.	2.0	10
27	Effects of the structure on the properties of new poly(arylene ether sulfone)s containing naphthalene units. <i>European Polymer Journal</i> , 2003, 39, 2203-2208.	2.6	9
28	Synthesis and thermal behaviour of phenyl-substituted POSSs linked by aliphatic and aromatic bridges. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 843-851.	2.0	9
29	A novel three-cages POSS molecule: synthesis and thermal behaviour. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 1337-1344.	2.0	7
30	Synthesis, thermal behavior, and kinetics of degradation of alkyl hepta cyclopentyl polyhedral oligomeric silsesquioxanes/polystyrene nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 913-924.	2.6	6
31	NMR stereospecific long-range coupling and preferred conformations in some (E)- and (Z)- $\lambda^5$ -phenyl- $\lambda^2$ -[2-(N-methyl)nitropropyl] acrylic acids. <i>Tetrahedron</i> , 1978, 34, 1557-1559.	1.0	5
32	$^{13}\text{C}$ NMR examination of some N-thioaroylmorpholine-bromine adducts. <i>Magnetic Resonance in Chemistry</i> , 1984, 22, 724-726.	0.7	4
33	Synthesis and Properties of Aromatic Poly(Ether Sulfone)s and Poly(Etherketone)s Containing Naphthalene or Quinoline Units, and Methyl-Substituted Biphenyl-4,4'-Diols. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1995, 32, 1947-1955.	1.2	4
34	Synthesis and characterization of new poly(arylene ether 1,3,4-oxadiazole)s based on dihydroxynaphthalene isomers. <i>Polymer Bulletin</i> , 2000, 45, 345-350.	1.7	4
35	STRANgE, integrated physical-chemical-biological-mechanical system for recovery in of the oil spill in Antarctic environment. <i>Reviews in Environmental Science and Biotechnology</i> , 2014, 13, 369-375.	3.9	4
36	Characterization of poly(ethylene oxide) modified with different phenyl hepta isobutyl polyhedral oligomeric silsesquioxanes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1863-1875.	2.0	4

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37	Stereoisomerization processes in cis-octahedral-bischelate complexes: Activation energies associated with the different rearrangement modes in the case of phenylchlorobis(benzoylacetato)tin. Journal of Organometallic Chemistry, 1979, 172, 397-404.	0.8	3
38	ESCA surface study of polystyrene photodegradation accelerated by 2-(2-methoxy-5-methylphenyl)-2H-benzotriazole. Macromolecular Rapid Communications, 1995, 16, 799-806.	2.0	3
39	Carbon-13 NMR spectra of substituted 2-thiophenecarboxanilides. Magnetic Resonance in Chemistry, 1987, 25, 277-279.	1.1	2
40	Synthesis and thermal characterization of mono alkyl hepta phenyl POSS/PS nanocomposites. Polymer Degradation and Stability, 2016, 134, 322-327.	2.7	2
41	Synthesis and Characterization of New Copoly(arylene ether)s Containing Naphthalene or Naphthalene/1,3,4-Oxadiazole Units. Polymer Bulletin, 2003, 51, 31-38.	1.7	1
42	A Novel Polystyrene Nanocomposite with Fully Phenyl POSSs Functionalized. Macromolecular Symposia, 2020, 389, 1900070.	0.4	1
43	Synthesis and Properties of Pyridinocalixarenes. , 1994, , 85-100.		1
44	Thermo-mechanical characterization of a monochlorophenyl, hepta isobutyl polyhedral oligomeric silsesquioxane/polystyrene composite. , 2014, , .		0