# Francesco A Bottino

List of Publications by Year
in descending order



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|---|---|---|---|
| 44 papers | 798 citations | 516215 16 h-index | 500791 28 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 742 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Characterization of poly(ethylene oxide) modified with different phenyl hepta isobutyl polyhedral oligomeric silsesquioxanes. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1863-1875. | 2.0 | 4 |
| 2 | A Novel Polystyrene Nanocomposite with Fully Phenyl POSSs Functionalized. Macromolecular Symposia, 2020, 389, 1900070. | 0.4 | 1 |
| 3 | A novel three-cages POSS molecule: synthesis and thermal behaviour. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1337-1344. | 2.0 | 7 |
| 4 | Synthesis, thermal behavior, and kinetics of degradation of alkyl hepta cyclopentyl polyhedral oligomeric silsesquioxanes/polysterene nanocomposites. Journal of Thermoplastic Composite Materials, 2018, 31, 913-924. | 2.6 | 6 |
| 5 | Synthesis and thermal behaviour of phenyl-substituted POSSs linked by aliphatic and aromatic bridges. Journal of Thermal Analysis and Calorimetry, 2018, 131, 843-851. | 2.0 | 9 |
| 6 | Kinetics of degradation and thermal behaviour of branched hepta phenyl POSS/PS nanocomposites. Polymer Degradation and Stability, 2016, 129, 374-379. | 2.7 | 18 |
| 7 | Synthesis and thermal characterization of mono alkyl hepta phenyl POSS/PS nanocomposites. Polymer Degradation and Stability, 2016, 134, 322-327. | 2.7 | 2 |
| 8 | Thermal characterization of a series of novel hepta cyclopentyl bridged POSS/PS nanocomposites. Journal of Thermal Analysis and Calorimetry, 2016, 125, 637-643. | 2.0 | 10 |
| 9 | 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. Polymer Composites, 2015, 36, 1394-1400. | 2.3 | 39 |
| 10 | Synthesis and thermal characterization of new dumbbell-shaped cyclopentyl-substituted POSSs linked by aliphatic and aromatic bridges. Journal of Thermal Analysis and Calorimetry, 2015, 121, 1039-1048. | 2.0 | 15 |
| 11 | Dumbbell-shaped polyhedral oligomeric silsesquioxanes/polystyrene nanocomposites: The influence of the bridge rigidity on the resistance to thermal degradation. Journal of Composite Materials, 2015, 49, 2509-2517. | 1.2 | 17 |
| 12 | The influence of the nature of POSSs cage's periphery on the thermal stability of a series of new bridged POSS/PS nanocomposites. Polymer Degradation and Stability, 2015, 121, 180-186. | 2.7 | 11 |
| 13 | Thermo-mechanical characterization of a monochlorophenyl, hepta isobutyl polyhedral oligomeric silsesquioxane/polystyrene composite. , 2014, , . | | 0 |
| 14 | Synthesis and characterization of differently substituted phenyl hepta isobutylâ€polyhedral oligomeric silsesquioxane/polystyrene nanocomposites. Polymer Composites, 2014, 35, 151-157. | 2.3 | 34 |
| 15 | Synthesis and thermal properties of new dumbbell-shaped isobutyl-substituted POSSs linked by aliphatic bridges. Journal of Thermal Analysis and Calorimetry, 2014, 116, 5-13. | 2.0 | 37 |
| 16 | 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. Polymer Degradation and Stability, 2014, 102, 132-137. | 2.7 | 55 |
| 17 | Synthesis, characterization and thermal stability of new dumbbell-shaped isobutyl-substituted POSSs linked by aromatic bridges. Journal of Thermal Analysis and Calorimetry, 2014, 117, 243-250. | 2.0 | 38 |
| 18 | STRANgE, integrated physicalâ€“biologicalâ€“mechanical system for recovery in of the â€œoil spillâ€•in Antarctic environment. Reviews in Environmental Science and Biotechnology, 2014, 13, 369-375. | 3.9 | 4 |

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|---|---|---|---|
| 19 | A kinetic study of the thermal and thermal oxidative degradations of new bridged POSS/PS nanocomposites. Polymer Degradation and Stability, 2013, 98, 2564-2570. | 2.7 | 42 |
| 20 | Synthesis of functionalized polyhedral oligomeric silsesquioxane (POSS) macromers by microwave assisted 1,3-dipolar cycloaddition. Tetrahedron, 2005, 61, 7986-7993. | 1.0 | 35 |
| 21 | Chemical modifications, mechanical properties and surface photo-oxidation of films of polystyrene (PS). Polymer Testing, 2004, 23, 405-411. | 2.3 | 48 |
| 22 | A study on chemical modifications, mechanical properties and surface photo-oxidation of films of polystyrene (PS) stabilised by hindered amines (HAS). Polymer Testing, 2004, 23, 779-789. | 2.3 | 20 |
| 23 | 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 |
| 24 | Polystyrene-Clay Nanocomposites Prepared with Polymerizable Imidazolium Surfactants. Macromolecular Rapid Communications, 2003, 24, 1079-1084. | 2.0 | 96 |
| 25 | Effects of the structure on the properties of new poly(arylene ether sulfone)s containing naphthalene units. European Polymer Journal, 2003, 39, 2203-2208. | 2.6 | 9 |
| 26 | Synthesis and characterization of new poly(arylene ether 1,3,4-oxadiazole)s based on dihydroxynaphthalene isomers. Polymer Bulletin, 2000, 45, 345-350. | 1.7 | 4 |
| 27 | Synthesis and properties of new poly(ether sulfone)amides. Journal of Polymer Science Part A, 1996, 34, 1305-1310. | 2.5 | 10 |
| 28 | 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 |
| 29 | Synthesis and characterization of new poly(arylene)ethers containing heterocyclic unitsâ€"I. European Polymer Journal, 1995, 31, 35-38. | 2.6 | 16 |
| 30 | Synthesis and Properties of Aromatic Poly(Ether Sulfone)s and Poly(Etherketone)s Containing Naphthalene or Quinoline Units, and Methyl-Substituted Biphenyl-4,4â€²-Diols. Journal of Macromolecular Science - Pure and Applied Chemistry, 1995, 32, 1947-1955. | 1.2 | 4 |
| 31 | Synthesis and characterization of new poly(arylene ether)s containing heterocyclic units. II.. Journal of Polymer Science Part A, 1995, 33, 843-847. | 2.5 | 10 |
| 32 | Synthesis and properties of pyridinocalixarenes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1994, 19, 85-100. | 1.6 | 21 |
| 33 | Synthesis and Properties of Pyridinocalixarenes. , 1994, , 85-100. | | 1 |
| 34 | Photoactive Eu(III) and Tb(III) complexes of calix[4]arenes with pyridine-N-oxide pendant groups. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1991, 10, 387-392. | 1.6 | 22 |
| 35 | Calix[4]arenes with pyridine pendant groups. Regioselective proximal alkylation at the "lower rim". Journal of Organic Chemistry, 1989, 54, 5407-5409. | 1.7 | 75 |
| 36 | Carbon-13 NMR spectra of substituted 2-thiophenecarboxanilides. Magnetic Resonance in Chemistry, 1987, 25, 277-279. | 1.1 | 2 |

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|---|---|---|---|
| 37 | Studies of substituent effects by carbon-13 NMR spectroscopy.Vâ€"Ethyl (E)-(Î±-cyano)cinnamates, (E)-(Î±-cyano)cinnamamides and ethyl (Î±-ethoxycarbonyl)cinnamates. Magnetic Resonance in Chemistry, 1986, 24, 31-34. | 1.1 | 11 |
| 38 | 13C NMR examination of someN-thioaroylmorpholine-bromine adducts. Magnetic Resonance in Chemistry, 1984, 22, 724-726. | 0.7 | 4 |
| 39 | Dicationic (Î·5-triphenylphosphonium cyclopentadienylide)(Î·4-diene)palladium(II) and -platinum(II) complexes. Journal of Organometallic Chemistry, 1982, 231, 265-270. | 0.8 | 12 |
| 40 | Metal selectivity properties of polymeric Schiff bases. Inorganic and Nuclear Chemistry Letters, 1980, 16, 417-421. | 0.7 | 11 |
| 41 | Dynamic stereochemistry of bis-salicylaldimine chelate complexes of metals of II group. Journal of Inorganic and Nuclear Chemistry, 1980, 42, 479-481. | 0.5 | 11 |
| 42 | 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 |
| 43 | Dynamic stereochemistry of bis(N-isopropylsalicylaldiminato) beryllium(II): enantiomerization process. Journal of Organometallic Chemistry, 1978, 160, 373-376. | 0.8 | 15 |
| 44 | NMR stereospecific long-range coupling and preferred conformations in some (E)- and (Z)-Î±-phenyl-Î²-[2-(N-methyl)nitropyrrolyl] acrylic acids. Tetrahedron, 1978, 34, 1557-1559. | 1.0 | 5 |