

# Emmanuel Beyou

## List of Publications by Year in descending order

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57  
papers

1,094  
citations

361413

20  
h-index

454955

30  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Viscoelastic properties and morphological characterization of silica/polystyrene nanocomposites synthesized by nitroxide-mediated polymerization. <i>Polymer</i> , 2005, 46, 9965-9973.	3.8	84
2	Comparative studies on the adsorption of metal ions from aqueous solutions using various functionalized graphene oxide sheets as supported adsorbents. <i>Journal of Hazardous Materials</i> , 2020, 389, 121839.	12.4	62
3	Viscoelasticity of Graphite Oxide-Based Suspensions in PDMS. <i>Macromolecules</i> , 2011, 44, 3893-3900.	4.8	61
4	Study of the Reaction between Nitroxide-Terminated Polymers and Thiuram Disulfides. Toward a Method of Functionalization of Polymers Prepared by Nitroxide Mediated Free "Living" Radical Polymerization. <i>Macromolecules</i> , 1998, 31, 6828-6835.	4.8	56
5	Nitroxide-mediated polymerization of styrene initiated from the surface of fumed silica. Comparison of two synthetic routes. <i>Polymer</i> , 2005, 46, 8502-8510.	3.8	44
6	Functionalization of developed bacterial cellulose with magnetite nanoparticles for nanobiotechnology and nanomedicine applications. <i>Carbohydrate Polymers</i> , 2020, 247, 116707.	10.2	40
7	Grafting of polyethylene onto graphite oxide sheets: a comparison of two routes. <i>Polymer Chemistry</i> , 2013, 4, 2828.	3.9	37
8	New fluorinated polysiloxanes containing an ester function in the spacer. I. Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 1994, 32, 1673-1681.	2.3	35
9	Influence of halloysite nanotubes onto the fire properties of polymer based composites: A review. <i>Polymer Degradation and Stability</i> , 2021, 183, 109407.	5.8	34
10	Influence of nitroxide structure on polystyrene brushes "grafted" from silicon wafers. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3367-3374.	2.3	32
11	Synthesis of Polymer Networks by "Living" Free Radical Polymerization and End-Linking Processes. <i>Macromolecules</i> , 1999, 32, 6996-7002.	4.8	31
12	Silica-Polystyrene Nanocomposite Particles Synthesized by Nitroxide-Mediated Polymerization and Their Encapsulation through Miniemulsion Polymerization. <i>Journal of Nanomaterials</i> , 2006, 2006, 1-10.	2.7	28
13	Radical grafting of polyethylene onto MWCNTs: A model compound approach. <i>Polymer</i> , 2009, 50, 2535-2543.	3.8	28
14	Melt grafting of polymethyl methacrylate onto poly(ethylene-co-1-octene) by reactive extrusion: Model compound approach. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5215-5226.	2.3	26
15	Effect of radical grafting of tetramethylpentadecane and polypropylene on carbon nanotubes' dispersibility in various solvents and polypropylene matrix. <i>Polymer</i> , 2009, 50, 5901-5908.	3.8	25
16	Synthesis and characterization of PDMS-grafted graphite oxide sheets. <i>Polymer</i> , 2013, 54, 4830-4837.	3.8	25
17	Micellar behavior of well-defined polystyrene-based block copolymers with triethoxysilyl reactive groups and their hydrolysis "condensation. <i>Journal of Polymer Science Part A</i> , 2010, 48, 784-793.	2.3	22
18	Preparation and Properties of Elastomer Composites Containing "Graphene"-Based Fillers: A Review. <i>Polymer Reviews</i> , 2018, 58, 403-443.	10.9	22

#	ARTICLE	IF	CITATIONS
19	Synthesis of polystyrene coated SiC nanowires as fillers in a polyurethane matrix for electromechanical conversion. <i>Nanotechnology</i> , 2010, 21, 145610.	2.6	21
20	Sono-heterogeneous Fenton system for degradation of AB74 dye over a new tetraaza macrocyclic Schiff base cellulose ligand-loaded Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 645-659.	2.2	21
21	N-Acetoxy-phthalimide (NAPI) as a new H-abstracting agent at high temperature: application to the melt functionalization of polyethylene. <i>Polymer Chemistry</i> , 2013, 4, 2676.	3.9	20
22	Pentadecane functionalized graphite oxide sheets as a tool for the preparation of electrical conductive polyethylene/graphite oxide composites. <i>Polymer</i> , 2014, 55, 22-28.	3.8	19
23	Functionalization of graphene oxide sheets with magnetite nanoparticles for the adsorption of copper ions and investigation of its potential catalytic activity toward the homocoupling of alkynes under green conditions. <i>Journal of Catalysis</i> , 2020, 388, 91-103.	6.2	18
24	Synthesis of polyethylene-grafted multiwalled carbon nanotubes via a peroxide-initiating radical coupling reaction and by using well-defined TEMPO and thiol end-functionalized polyethylenes. <i>Journal of Polymer Science Part A</i> , 2011, 49, 957-965.	2.3	17
25	Conducting polymer functionalized multi-walled carbon nanotubes nanocomposites: Optical properties and morphological characteristics. <i>Materials Letters</i> , 2014, 121, 227-230.	2.6	17
26	Controlled perfluorination of poly(2,3,4,5,6-pentafluorostyrene) (PPFS) and PPFS-functionalized fumed silica by thiol-para-fluoro coupling: Towards the design of self-cleaning (nano)composite films. <i>European Polymer Journal</i> , 2018, 102, 120-129.	5.4	16
27	Synthesis and characterization of Ni (II), Cu (II), Fe (II) and Fe <sub>3</sub> O <sub>4</sub> nanoparticle complexes with tetraaza macrocyclic Schiff base ligand for antimicrobial activity and cytotoxic activity against cancer and normal cells. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4860.	3.5	16
28	Rheological study of diffusion-controlled crosslinking of poly(ethylene-octene) elastomer via peroxide-trapped fumed silica. <i>Materials Chemistry and Physics</i> , 2009, 117, 482-488.	4.0	15
29	In situ emulsion cationic polymerization of isoprene onto the surface of graphite oxide sheets. <i>Applied Surface Science</i> , 2017, 396, 902-911.	6.1	15
30	Preparation of a novel zwitterionic graphene oxide-based adsorbent to remove of heavy metal ions from water: Modeling and comparative studies. <i>Advanced Powder Technology</i> , 2021, 32, 2502-2516.	4.1	15
31	A convenient approach to perfluorinated organosilicons. Preparation of a fluorinated polysiloxane precursor. <i>Tetrahedron Letters</i> , 1995, 36, 1843-1844.	1.4	14
32	New fluorinated polysiloxanes containing an ester function in the spacer"II. Surface tension studies. <i>Polymer International</i> , 1995, 38, 237-244.	3.1	13
33	Effect of nitroxyl-based radicals on the melt radical grafting of maleic anhydride onto polyethylene in presence of a peroxide. <i>European Polymer Journal</i> , 2015, 66, 342-351.	5.4	13
34	Fe <sub>3</sub> O <sub>4</sub> nanoparticles coated by new functionalized tetraaza-2,3 dialdehyde micro-crystalline cellulose: synthesis, characterization, and catalytic application for degradation of Acid Yellow 17. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 597-613.	2.4	11
35	Organic-inorganic hybrid functional materials by nitroxide-mediated polymerization. <i>Progress in Polymer Science</i> , 2021, 121, 101434.	24.7	11
36	Nanostructured organic-inorganic hybrid films prepared by the sol-gel method from self-assemblies of PS- <i>b</i> -PAPTES- <i>b</i> -PS triblock copolymers. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4193-4203.	2.3	10

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37	Nitroxide-mediated polymerization of pentafluorostyrene initiated by PS-DEPN through the surface of APTMS modified fumed silica: towards functional nanohybrids. RSC Advances, 2016, 6, 58260-58267.	3.6	10
38	Free Radical Graft Copolymerization of Methyl Methacrylate onto Polyolefin Backbone: Kinetics Modeling through Model Compounds Approach. Macromolecular Chemistry and Physics, 2009, 210, 1087-1095.	2.2	9
39	Polymer Nanocomposites Containing Functionalised Multiwalled Carbon NanoTubes: a Particular Attention to Polyolefin Based Materials. , 0, , .		9
40	Chitosan-dithiooxamide-grafted rGO sheets decorated with Au nanoparticles: Synthesis, characterization and properties. European Polymer Journal, 2016, 78, 153-162.	5.4	9
41	Acyloxyimide derivatives as efficient promoters of polyolefin C-H functionalization: application in the melt grafting of maleic anhydride onto polyethylene. Polymer Chemistry, 2019, 10, 4336-4345.	3.9	8
42	Effect of a Nitroxide-Based Radical Scavenger on Nanotube Functionalisation with Pentadecane: A Model Compound Study for Polyethylene Grafting onto MWCNTs. Macromolecular Chemistry and Physics, 2010, 211, 2396-2406.	2.2	7
43	Synthesis and properties of a photovoltaic cell based on polystyrene-functionalised Si nanowires filled into a poly(N-vinylcarbazole) matrix. Materials Chemistry and Physics, 2012, 136, 431-438.	4.0	7
44	Tunable Morphologies From Bulk Self-Assemblies of Poly(acryloxypropyl) Triethoxysilane Copolymers. Macromolecular Chemistry and Physics, 2012, 213, 10-18.	2.2	7
45	Synthesis and characterization of Au-immobilized nanoparticles onto cellulose-ethylenediamine-grafted reduced graphite oxide sheets. Materials Chemistry and Physics, 2016, 171, 303-311.	4.0	7
46	Synthesis of Poly(methyl methacrylate)-Grafted Poly(ethylene-co-octene) Copolymers by a Grafting from-Melt Process. Macromolecular Materials and Engineering, 2012, 297, 702-710.	3.6	6
47	Magnetic properties of cellulose-grafted reduced graphite oxide decorated with Ni nanoparticles. Polymer Engineering and Science, 2018, 58, 1630-1635.	3.1	6
48	The enhanced adsorption properties of molecular imprinted polymer material prepared using nitroxide-mediated Radical Deactivation Reversible Polymerization. Polymer, 2022, 249, 124841.	3.8	6
49	In situ coupled electrical/mechanical investigations of graphene coated cationized cotton yarns with enhanced conductivity upon mechanical stretching. Journal of Materials Chemistry C, 2021, 9, 14247-14255.	5.5	5
50	Solar spectral properties of PVC plastisol-based films filled with various fillers. Journal of Vinyl and Additive Technology, 2019, 25, E188.	3.4	4
51	New sonochemical magnetite nanoparticles functionalization approach of dithiooxamide-formaldehyde developed cellulose: From easy synthesis to recyclable 4-nitrophenol reduction. Applied Organometallic Chemistry, 2021, 35, e6257.	3.5	4
52	Two-step synthesis of polystyrene sulfonate based copolymers bearing pendant primary amines. European Polymer Journal, 2021, 152, 110455.	5.4	4
53	Reduced zwitterionic graphene oxide sheets decorated with Nickel nanoparticles as magnetically and efficient catalyst for A3 coupling reactions under optimized green experimental conditions. Applied Organometallic Chemistry, 0, , .	3.5	4
54	SAXS and SANS characterization of gelable polystyrene-b-poly(acryloxy propyl triethoxysilane) (PS-b-PAPTES) diblock copolymer micelles before and after hydrolysis-condensation. Soft Matter, 2012, 8, 6564.	2.7	3

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55	Convenient synthesis of a surface-active alkoxyamineinitiator from styrene oxide Living/free-radical polymerization of styrene and n-butyl acrylate. E-Polymers, 2003, 3, .	3.0	2
56	Melt radical grafting of diethylmaleate and maleic anhydride onto oligoamide-11 (OA11) and polyamide-11 (PA11) in presence of acyloxyimide derivatives: Toward the compatibilization of PA11/EVOH blends. Materials Today Communications, 2019, 19, 271-276.	1.9	2
57	Tuning features of H-bonded layer by layer assembly of poly(4-vinyl pyridine) and carboxylated poly-(2,3,4,5,6-pentafluorostyrene) synthesized through para-fluoro-thiol reaction. European Polymer Journal, 2019, 117, 188-199.	5.4	1