

Josemon Jacob

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5990291/publications.pdf>

Version: 2024-02-01

91
papers

2,307
citations

201385

27
h-index

233125

45
g-index

94
all docs

94
docs citations

94
times ranked

2608
citing authors

#	ARTICLE	IF	CITATIONS
1	2,2'-Bipyridine containing chelating polymers for sequestration of heavy metal ions from organic solvents. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	3
2	Moisture barrier layer with supplemental chemical and biological protective functionality for firefighting clothing applications. <i>Journal of Industrial Textiles</i> , 2022, 51, 6110S-6133S.	1.1	4
3	Biodegradable and pH-responsive piperazine-based aliphatic polyesters with tunable hydrophilicity. <i>European Polymer Journal</i> , 2022, 162, 110919.	2.6	6
4	Thermally stable poly(urethane-imide)s with enhanced hydrophilicity for waterproof and breathable textile coatings. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	6
5	Regenerative macroporous polyzwitterionic gels for brackish/sea water desalination. <i>Desalination</i> , 2022, 535, 115801.	4.0	6
6	Pentaerythritol derived phosphorous based bicyclic compounds as promising flame retardants for thermoplastic polyurethane films. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50375.	1.3	4
7	Macroporous Polyzwitterionic Gels As Versatile Intermediates for the Fixation and Release of Anions. <i>Langmuir</i> , 2021, 37, 5424-5435.	1.6	5
8	Synthesis, Optimal Fabrication, and Physico-Mechanical Property Evaluation of PCL- <i>g</i> -PLLA Diblock Copolymer-Based Nanoscale Roughness Textured Electrospun Mats. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100226.	1.7	11
9	Tunable macroporous D-galactose based hydrogels for controlled release of a hydrophilic drug. <i>European Polymer Journal</i> , 2021, 150, 110409.	2.6	18
10	Highly porous, water-swelling, and reusable chelating polymeric gels for heavy metal ion removal from aqueous waste. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51353.	1.3	6
11	Design, Synthesis and Selective Functionalization of a Rigid, Truxene Derived Pure Blue-Emitting Chromophore. <i>ChemistrySelect</i> , 2020, 5, 109-116.	0.7	3
12	Perylene diimide based low band gap copolymers: synthesis, characterization and their applications in perovskite solar cells. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	3
13	D-galactose-based organogelator for phase-selective solvent removal and sequestration of cationic dyes. <i>Reactive and Functional Polymers</i> , 2020, 157, 104766.	2.0	9
14	Design and synthesis of water-soluble chelating polymeric materials for heavy metal ion sequestration from aqueous waste. <i>Reactive and Functional Polymers</i> , 2020, 154, 104687.	2.0	8
15	One-step fabrication of bicompartamental microparticles as a dual drug delivery system for Parkinson's disease management. <i>Journal of Materials Science</i> , 2019, 54, 730-744.	1.7	28
16	Biofriendly and green biocomposites based on poly (μ -caprolactone): Post-yield fracture, crystallization, rheological and micromechanical behaviors. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
17	Enhancing the electroluminescence efficiency by controlling the migration of excited states to quenching sites in a truxene-based oligomer. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	3
18	Design and synthesis of highly twisted phenanthroimidazole substituted blue-emitting truxene based fluorescent chromophores. <i>New Journal of Chemistry</i> , 2019, 43, 2278-2288.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Bicompartmental microparticles loaded with antibacterial agents for prolonging food shelf life. <i>Journal of Materials Science</i> , 2019, 54, 9729-9744.	1.7	17
20	Influence of aliphatic polycarbonate middle block on mechanical and microstructural behaviour of triblock copolymers based on poly(ϵ -lactide) and polycarbonate. <i>Polymer International</i> , 2019, 68, 400-409.	1.6	5
21	Poly(lactic acid)/(styrene-ethylene-butylene-styrene)-maleic anhydride copolymer/sepiolite nanocomposites: investigation of thermo-mechanical and morphological properties. <i>Polymers for Advanced Technologies</i> , 2018, 29, 234-243.	1.6	16
22	Effect of Thermoplastic Elastomer on Melt Rheological and Fracture Behavior of Poly(Lactic Acid). <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1254-1264.	1.9	9
23	Solution processable truxene based blue emitters: Synthesis, characterization and electroluminescence studies. <i>Journal of Luminescence</i> , 2018, 196, 511-519.	1.5	7
24	Post-yield fracture correlations to morphological and micromechanical response of poly(μ -caprolactone)-based biocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 575-597.	2.6	3
25	Analytical interpretations of static and dynamic mechanical properties of thermoplastic elastomer toughened PLA blends. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45644.	1.3	29
26	Design and synthesis of N-substituted perylene diimide based low band gap polymers for organic solar cell applications. <i>RSC Advances</i> , 2018, 8, 30468-30480.	1.7	11
27	Direct arylation polymerization approach for the synthesis of narrow band gap cyclopentadithiophene based conjugated polymer and its application in solar cell devices. <i>Synthetic Metals</i> , 2017, 226, 56-61.	2.1	7
28	Nonisothermal crystallization and microstructural behavior of poly(μ -caprolactone) and granular tapioca starch-based biocomposites. <i>International Journal of Polymer Analysis and Characterization</i> , 2017, 22, 222-236.	0.9	12
29	Analytical interpretation of mechanical response of green biocomposites based on poly(μ -caprolactone) and granular tapioca starch. <i>Polymer Bulletin</i> , 2017, 74, 1693-1711.	1.7	4
30	Effect of poly(l-lactide) chain length on microstructural and thermo-mechanical properties of poly(l-lactide)-b-poly(butylene carbonate)-b-poly(l-lactide) triblock copolymers. <i>Polymer</i> , 2017, 123, 87-99.	1.8	14
31	Synthesis and photovoltaic device studies of azo-linked low bandgap polymers. <i>Polymer International</i> , 2017, 66, 593-603.	1.6	10
32	Synthesis and photovoltaic studies on novel fluorene based cross-conjugated donor-acceptor type polymers. <i>Organic Electronics</i> , 2017, 40, 42-50.	1.4	16
33	A comparative study of poly(ϵ -lactide)-block-poly(μ -caprolactone) six-armed star diblock copolymers and polylactide/poly(μ -caprolactone) blends. <i>Polymer International</i> , 2016, 65, 1107-1117.	1.6	17
34	Tuning the HOMO energy levels in quinoline and biquinoline based donor-acceptor polymers. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	9
35	Synthesis and characterization of light-absorbing cyclopentadithiophene-based donor-acceptor copolymers. <i>Polymer International</i> , 2016, 65, 57-65.	1.6	21
36	Single Molecule Studies of a Ladder Type Conjugated Polymer: Vibronic Spectra, Line Widths, and Energy Transfer. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1096-1102.	2.0	6

#	ARTICLE	IF	CITATIONS
37	Synthesis, characterization and biodegradation studies of chain-coupled polyesters based on tartaric acid. <i>Polymer International</i> , 2014, 63, 680-688.	1.6	11
38	On the role of aggregation effects in the performance of perylene-diimide based solar cells. <i>Organic Electronics</i> , 2014, 15, 1347-1361.	1.4	60
39	Facile synthesis and coupling of 3,9-dibromo-6-aryl-5H-dibenzo[d,f][1,3]diazepine derivatives. <i>Tetrahedron Letters</i> , 2013, 54, 5883-5885.	0.7	10
40	Improving the layer morphology of solution-processed perylene diimide organic solar cells with the use of a polymeric interlayer. <i>Organic Photonics and Photovoltaics</i> , 2013, 1, .	1.3	7
41	Polyaniline doped with $\hat{\pm}$, $\hat{\pm}$ â€œalkanedisulfonic acids: preparation and characterization. <i>Polymer International</i> , 2013, 62, 797-803.	1.6	10
42	Interplay of $\hat{\pm}$, $\hat{\pm}$ â€œ versus $\hat{\pm}$, $\hat{\pm}$ â€œ Conjugation in the Excited States and Charged Defects of Branched Oligothiophenes as Models for Dendrimeric Materials. <i>Chemistry - A European Journal</i> , 2013, 19, 17165-17171.	1.7	8
43	Influence of block composition on structural, thermal and mechanical properties of novel aliphatic polyester based triblock copolymers. <i>Polymer</i> , 2012, 53, 4662-4671.	1.8	11
44	Facile synthesis of 5,8â€œlinked quinolineâ€œbased copolymers. <i>Polymer International</i> , 2012, 61, 1318-1325.	1.6	14
45	Swapping field-effect transistor characteristics in polymeric diketopyrrolopyrrole semiconductors: debut of an electron dominant transporting polymer. <i>Journal of Materials Chemistry</i> , 2012, 22, 1504-1510.	6.7	40
46	Facile synthesis and coupling of functionalized isomeric biquinolines. <i>Tetrahedron Letters</i> , 2012, 53, 285-288.	0.7	7
47	Synthesis and characterization of copolyesters based on tartaric acid derivatives. <i>Polymer Bulletin</i> , 2012, 68, 1287-1304.	1.7	28
48	Electron-Exchange-Assisted Photon Energy Up-Conversion in Thin Films of $\hat{\pm}$ â€œ-Conjugated Polymeric Composites. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1893-1899.	2.1	24
49	Synthesis and characterization of donorâ€œacceptor type 4,4â€œ-bis(2,1,3-benzothiadiazole)-based copolymers. <i>Polymer</i> , 2011, 52, 4442-4450.	1.8	23
50	Synthesis, characterization, and OFET characteristics of 3,4-diaryl substituted poly(thienylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	1.7	1
51	Synthesis and characterization of 3,4â€œdiarylâ€œsubstituted polythiophene derivatives. <i>Polymer International</i> , 2011, 60, 1010-1015.	1.6	8
52	Copolymers Comprising 2,7â€œCarbazole and Bisâ€œbenzothiadiazole Units for Bulkâ€œHeterojunction Solar Cells. <i>Chemistry - A European Journal</i> , 2011, 17, 14681-14688.	1.7	27
53	Blue-emitting copolymers of isoquinoline and fluorene. <i>Reactive and Functional Polymers</i> , 2011, 71, 849-856.	2.0	12
54	Synthesis of PPP-b-PS block copolymers using a combination of Suzuki-polycondensation and nitroxide-mediated radical polymerization. <i>Polymer</i> , 2010, 51, 5294-5303.	1.8	16

#	ARTICLE	IF	CITATIONS
55	Synthesis and characterization of polyesters based on tartaric acid derivatives. <i>Polymer</i> , 2010, 51, 5392-5399.	1.8	48
56	Synthesis and optical studies of conjugated polyfluorenyl cations. <i>Polymer</i> , 2010, 51, 5705-5711.	1.8	6
57	Tetrathiophenes with thiophene side chains: effect of substitution on packing and conjugation. <i>Tetrahedron Letters</i> , 2010, 51, 2956-2958.	0.7	11
58	Synthesis and Characterization of Hexathiophenes with Methylthienyl Side Chains. <i>Macromolecular Symposia</i> , 2010, 298, 154-159.	0.4	2
59	Superexchange-mediated electronic energy transfer in a model dyad. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7378.	1.3	32
60	Synthesis and characterization of pyrene-centered oligothiophenes. <i>Synthetic Metals</i> , 2010, 160, 1987-1993.	2.1	16
61	A Simple Route toward the Synthesis of Bisbenzothiadiazole Derivatives. <i>Organic Letters</i> , 2008, 10, 5533-5536.	2.4	38
62	8-Quinolinolates as Ligands for Luminescent Cyclometalated Iridium Complexes. <i>Chemistry of Materials</i> , 2007, 19, 1209-1211.	3.2	58
63	CT ⁺ CT Annihilation in Rigid Perylene End-Capped Pentaphenylenes. <i>Journal of the American Chemical Society</i> , 2007, 129, 610-619.	6.6	36
64	Photophysical Properties of a Series of Poly(ladder-type phenylene)s. <i>Advanced Functional Materials</i> , 2007, 17, 3231-3240.	7.8	32
65	Singlet-Singlet Annihilation Leading to a Charge-Transfer Intermediate in Chromophore-End-Capped Pentaphenylenes. <i>ChemPhysChem</i> , 2007, 8, 1386-1393.	1.0	8
66	Synthesis of aminocarbazole-anthraquinone fused dyes and polymers. <i>Dyes and Pigments</i> , 2007, 75, 1-10.	2.0	31
67	Synthesis and Photochromic Properties of Ladderized Poly(p-phenylene-alt-9,10-anthrylene)s. <i>Macromolecules</i> , 2006, 39, 5696-5704.	2.2	46
68	Poly(2,7-phenanthrylene)s and Poly(3,6-phenanthrylene)s as Polyphenylene and Poly(phenylenevinylene) Analogues. <i>Macromolecules</i> , 2006, 39, 5213-5221.	2.2	55
69	Blue-Emitting Carbon- and Nitrogen-Bridged Poly(ladder-type tetraphenylene)s. <i>Chemistry of Materials</i> , 2006, 18, 2879-2885.	3.2	72
70	A hybrid polymer of polyaniline and phthalimide dyes. <i>Synthetic Metals</i> , 2006, 156, 433-443.	2.1	18
71	Twin Probes as a Novel Tool for the Detection of Single-Nucleotide Polymorphisms. <i>Chemistry - A European Journal</i> , 2006, 12, 3707-3713.	1.7	32
72	A Conjugated Polycarbazole Ring around a Porphyrin. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4685-4690.	7.2	83

#	ARTICLE	IF	CITATIONS
73	Polyphenylenes and Poly(phenyleneethynylene)s with 9,10-Anthrylene Subunits. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1107-1115.	1.1	18
74	Switching of the fluorescence emission of single molecules between the locally excited and charge transfer states. <i>Chemical Physics Letters</i> , 2005, 401, 503-508.	1.2	33
75	Photophysical Characterization of Light-Emitting Poly(indenofluorene)s. <i>ChemPhysChem</i> , 2005, 6, 1650-1660.	1.0	38
76	Enhanced Operational Stability of the Up-Conversion Fluorescence in Films of Palladium-Porphyrin End-Capped Poly(pentaphenylene). <i>ChemPhysChem</i> , 2005, 6, 1250-1253.	1.0	56
77	Counting Chromophores in Conjugated Polymers. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1520-1525.	7.2	108
78	Counting Chromophores in Conjugated Polymers. <i>Angewandte Chemie</i> , 2005, 117, 1544-1549.	1.6	25
79	Charge transfer enhanced annihilation leading to deterministic single photon emission in rigid perylene end-capped polyphenylenes. <i>Chemical Communications</i> , 2005, , 4973.	2.2	17
80	A Fully Aryl-Substituted Poly(ladder-type pentaphenylene): A Remarkably Stable Blue-Light-Emitting Polymer. <i>Macromolecules</i> , 2005, 38, 9933-9938.	2.2	92
81	Low-threshold amplified spontaneous emission in thin films of poly(tetraarylindenofluorene). <i>Applied Physics Letters</i> , 2005, 87, 261917.	1.5	18
82	Progress towards stable blue light-emitting polymers. <i>Current Applied Physics</i> , 2004, 4, 339-342.	1.1	38
83	Ladder-Type Pentaphenylenes and Their Polymers: Efficient Blue-Light Emitters and Electron-Accepting Materials via a Common Intermediate. <i>Journal of the American Chemical Society</i> , 2004, 126, 6987-6995.	6.6	228
84	Selective Conversion of Diallylanilines and Arylimines to Quinolines.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
85	Poly(tetraarylindenofluorene)s: A New Stable Blue-Emitting Polymers. <i>Macromolecules</i> , 2003, 36, 8240-8245.	2.2	162
86	Selective Conversion of Diallylanilines and Arylimines to Quinolines. <i>Journal of Organic Chemistry</i> , 2003, 68, 3563-3568.	1.7	45
87	Cobalt-catalyzed selective conversion of diallylanilines and arylimines to quinolines. <i>Journal of Molecular Catalysis A</i> , 2002, 182-183, 565-570.	4.8	16
88	Nickel-Mediated Selective Carbonylation Routes to Thiocarbamates. <i>Organometallics</i> , 2001, 20, 1028-1031.	1.1	25
89	Synthesis, Structure, and Reactivity of Novel Dithiolato(oxo)rhenium(V) Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 1040-1041.	1.9	31
90	1,3-Transposition of Allylic Alcohols Catalyzed by Methyltrioxorhenium. <i>Organometallics</i> , 1998, 17, 1835-1840.	1.1	71

#	ARTICLE	IF	CITATIONS
91	Dendritic core derived unimolecular micelles with poly(lactic acid) arms: Synthesis and application as a phase transfer agent. <i>Polymers for Advanced Technologies</i> , 0, , .	1.6	1