

# Loon-Seng Tan

## List of Publications by Year in descending order

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181  
papers

8,297  
citations

57758

44  
h-index

51608

86  
g-index

184  
all docs

184  
docs citations

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times ranked

8360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Alicyclic Conformation-Isomerization in the Photomechanical Performance of Azobenzene-Functionalized Cross-Linked Polyimides Containing Tetra-Substituted Cyclohexane Moieties. <i>ACS Macro Letters</i> , 2021, 10, 278-283.	4.8	17
2	Stimulated Rayleigh-Bragg scattering study in a two-photon absorbing liquid and a solid. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2187.	2.1	1
3	Intermolecular Interactions and Intramolecular Motions in Photomechanical Effect: Nonlinear Thermo- and Photomechanical Behaviors of Azobenzene-Functionalized Amide-Imide Block Copolymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 48127-48140.	8.0	8
4	Influence of Structural Isomerism on the Photophysical Properties of a Series of Donor-Acceptor 1-Naphthalenecarbonitrile Derivatives Possessing Amine Substituents. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2113-2122.	2.5	1
5	Reversible Enlargement of Photoswitchable Dielectric Properties by Plasmonic [60]Fullerenyl Core-Shell Nanoparticles on Graphene Nanosheets. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5759-5771.	3.1	1
6	Mechanism of stimulated Mie scattering: Light-induced redistribution of self-assembled nanospheres of two-photon absorbing chromophore. <i>Journal of Chemical Physics</i> , 2019, 151, 104202.	3.0	2
7	Synthesis and Intramolecular Energy- and Electron-Transfer of 3D-Conformer Tris(fluorenyl-[60]fullerenylfluorene) Derivatives. <i>Molecules</i> , 2019, 24, 3337.	3.8	4
8	Photoswitching Dielectric Properties using Plasmonic Core-Shell Hybrid of 3D C60-Conformers at GHz Frequency. , 2019, , .		0
9	Origami-Inspired Fabrication: Self-Folding or Self-Unfolding of Cross-Linked-Polyimide Objects in Extremely Hot Ambience. <i>ACS Macro Letters</i> , 2019, 8, 546-552.	4.8	20
10	Tuned photomechanical switching of laterally constrained arches. <i>Smart Materials and Structures</i> , 2019, 28, 075009.	3.5	5
11	Simplified Sum-Over-States Model Applied to Ultrafast Nonlinear Optical Measurements of Two-Photon Absorbing Chromophores. , 2019, , .		0
12	High-Temperature and High-Energy-Density Dipolar Glass Polymers Based on Sulfonylated Poly(2,6-dimethyl-1,4-phenylene oxide). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1528-1531.	13.8	125
13	Autonomous Motility of Polymer Films. <i>Advanced Materials</i> , 2018, 30, 1705616.	21.0	25
14	New 3D-stereoconfigured cis-tris(fluorenylphenylamino)-benzene with large steric hindrance to minimize $\pi$ - $\pi$ stacking in thin-film devices. <i>Dyes and Pigments</i> , 2018, 149, 377-386.	3.7	5
15	Enhancement of Photoswitchable Dielectric Property by Conducting Electron Donors on Plasmonic Core-Shell Gold-Fluorenyl C <sub>60</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12512-12523.	3.1	7
16	The contribution of hydrogen bonding to the photomechanical response of azobenzene-functionalized polyamides. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5964-5974.	5.5	32
17	3D-Conformer of Tris[60]fullerenylated cis-Tris(diphenylamino-fluorene) as Photoswitchable Charge-Polarizer on GHz-Responsive Trilayered Core-Shell Dielectric Nanoparticles. <i>Molecules</i> , 2018, 23, 1873.	3.8	1
18	Effects of intramolecular hydrogen bonding and sterically forced non-coplanarity on organic donor/acceptor two-photon-absorbing molecules. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19398-19407.	2.8	11

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19	Defect/Edge-Selective Functionalization of Carbon Materials by "Direct-Friedel-Crafts Acylation Reaction. <i>Advanced Materials</i> , 2017, 29, 1606317.	21.0	24
20	Relaxation Dynamics and Strain Persistency of Azobenzene-Functionalized Polymers and Actuators. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700256.	3.6	5
21	Nonlinear Photoacoustic Imaging by <i>in Situ</i> Multiphoton Upconversion and Energy Transfer. <i>ACS Photonics</i> , 2017, 4, 2699-2705.	6.6	22
22	Photomechanical Deformation of Azobenzene-Functionalized Polyimides Synthesized with Bulky Substituents. <i>ACS Macro Letters</i> , 2017, 6, 1432-1437.	4.8	30
23	Polypyrrole nanocomposite with water-dispersible graphene. <i>Macromolecular Research</i> , 2017, 25, 335-343.	2.4	3
24	Broadband Two-Photon Absorption Characteristics of Highly Photostable Fluorenyl-Dicyanoethylenylated [60]Fullerene Dyads. <i>Molecules</i> , 2016, 21, 647.	3.8	3
25	Novel photoswitchable dielectric properties on nanomaterials of electronic core-shell $\text{FeO}_x/\text{Au}@$ fullerosomes for GHz frequency applications. <i>Nanoscale</i> , 2016, 8, 6589-6599.	5.6	9
26	Hygromorphic Polymers: Synthesis, Retro-Michael Reaction, and Humidity-Driven Actuation of Ester-Sulfonyl Polyimides and Thermally Derived Copolyimides. <i>Macromolecules</i> , 2016, 49, 3286-3299.	4.8	16
27	Discrete-state photomechanical actuators. <i>Extreme Mechanics Letters</i> , 2016, 9, 45-54.	4.1	14
28	Frequency-Driven Self-Organized Helical Superstructures Loaded with Mesogen-Grafted Silica Nanoparticles. <i>Angewandte Chemie</i> , 2016, 128, 13284-13288.	2.0	24
29	Frequency-Driven Self-Organized Helical Superstructures Loaded with Mesogen-Grafted Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13090-13094.	13.8	85
30	Tunability of RF-Responses by Plasmonic Dielectric Amplification Using Branched $e^-$ -Polarizable C60-Adducts on Magnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17711-17721.	3.1	6
31	The fluorescence of a chelating two-photon-absorbing dye is enhanced with the addition of transition metal ions but quenched in the presence of acid. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
32	Steric hindrance inhibits excited-state relaxation and lowers the extent of intramolecular charge transfer in two-photon absorbing dyes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5587-5596.	2.8	16
33	Highly efficient and two-photon excited stimulated Rayleigh-Bragg scattering in organic solutions. <i>Journal of Applied Physics</i> , 2015, 118, 033102.	2.5	8
34	Enhanced $\pi$ - $\pi^*$ Electron Coupling in the Excited State by Combining Intramolecular Charge-Transfer States with Surface-Modified Magnetic Nanoparticles in Organic-Magnetic Nanocomposites. <i>Advanced Electronic Materials</i> , 2015, 1, 1500058.	5.1	5
35	Synthesis and Photoluminescent Properties of Geometrically Hindered cis-Tris(diphenylaminofluorene) as Precursors to Light-Emitting Devices. <i>Molecules</i> , 2015, 20, 4635-4654.	3.8	6
36	Synthesis of Photoswitchable Magnetic Au-Fullerosome Hybrid Nanomaterials for Permittivity Enhancement Applications. <i>Molecules</i> , 2015, 20, 14746-14760.	3.8	6

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37	Preparation of water-dispersible graphene using N-methylmorpholine N-oxide monohydrate and its application for the preparation of nanocomposites using PEDOT. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7105-7117.	5.5	6
38	Synthesis and characterization of high nitrile content polyimides as dielectric films for electrical energy storage. <i>Journal of Polymer Science Part A</i> , 2015, 53, 422-436.	2.3	83
39	Synthesis of dual NIR two-photon absorptive [60]fullerenyl multiadducts for nonlinear light-transmittance reduction application. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
40	Photopiezoelectric Composites of Azobenzene-Functionalized Polyimides and Polyvinylidene Fluoride. <i>Macromolecular Rapid Communications</i> , 2014, 35, 2050-2056.	3.9	21
41	Designing light responsive bistable arches for rapid, remotely triggered actuation. <i>Proceedings of SPIE</i> , 2014, , .	0.8	5
42	Enhancing electrical energy storage using polar polyimides with nitrile groups directly attached to the main chain. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20683-20696.	10.3	90
43	Azobenzene-functionalized polyimides as wireless actuators. <i>Polymer</i> , 2014, 55, 5915-5923.	3.8	26
44	Impact of Backbone Rigidity on the Photomechanical Response of Glassy, Azobenzene-Functionalized Polyimides. <i>Macromolecules</i> , 2014, 47, 659-667.	4.8	81
45	Molecular Engineering of Azobenzene-Functionalized Polyimides To Enhance Both Photomechanical Work and Motion. <i>Chemistry of Materials</i> , 2014, 26, 5223-5230.	6.7	45
46	Symmetry- and Solvent-Dependent Photophysics of Fluorenes Containing Donor and Acceptor Groups. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5228-5237.	2.5	33
47	Linear and Nonlinear Optical Properties of Photoresponsive [60]Fullerene Hybrid Triads and Tetrads with Dual NIR Two-Photon Absorption Characteristics. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17186-17195.	3.1	19
48	Synthesis of C60-Antenna Nanostructure-Based Fullerosome Vesicles for Ultrafast Nonlinear Photonic Applications. <i>ECS Transactions</i> , 2013, 45, 3-14.	0.5	0
49	Off-Resonant Two-Photon Absorption Cross-Section Enhancement of an Organic Chromophore on Gold Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 749-752.	4.6	18
50	Exciplex Formation in Blended Spin-Cast Films of Fluorene-Linked Dyes and Bisphthalimide Quenchers. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3909-3917.	2.5	33
51	Photomechanical Response of Prestrained Azobenzene-Functionalized Polyimide Materials. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1189-1194.	2.2	36
52	Polymer design for high temperature shape memory: Low crosslink density polyimides. <i>Polymer</i> , 2013, 54, 391-402.	3.8	90
53	Synthesis and characterization of unsymmetrical benzonitrile-containing polyimides: Viscosity-lowering effect and dielectric properties. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4998-5011.	2.3	30
54	Germanium on silicon to enable integrated photonic circuits. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1

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55	High-Temperature Dielectric Polyimide Films for Energy Storage Applications. Materials Research Society Symposia Proceedings, 2013, 1541, 72201.	0.1	1
56	Contactless, photoinitiated snap-through in azobenzene-functionalized polymers. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18792-18797.	7.1	92
57	Synthesis of Photoresponsive Dual NIR Two-Photon Absorptive [60]Fullerene Triads and Tetrads. Molecules, 2013, 18, 9603-9622.	3.8	4
58	Exciplex formation in solid state blends of charge-transfer type AFX dyes and bisimide compounds. Proceedings of SPIE, 2012, , .	0.8	1
59	Plasmonic Enhancement of the Two Photon Absorption Cross Section of an Organic Chromophore Using Polyelectrolyte-Coated Gold Nanorods. Langmuir, 2012, 28, 9147-9154.	3.5	50
60	Flexural and Torsional Photomechanical Responses in Azobenzene-Containing Crosslinked Polyimides. Macromolecular Materials and Engineering, 2012, 297, 1167-1174.	3.6	25
61	Magnetocurrent of Charge-Polarizable C <sub>60</sub> -Diphenylaminofluorene Monoadduct-Derived Magnetic Nanocomposites. Journal of the American Chemical Society, 2012, 134, 3549-3554.	13.7	12
62	Tailoring the Photomechanical Response of Glassy, Azobenzene-Functionalized Polyimides by Physical Aging. Macromolecules, 2012, 45, 7527-7534.	4.8	45
63	Enhancement of Photogenerated Mechanical Force in Azobenzene-Functionalized Polyimides. Angewandte Chemie - International Edition, 2012, 51, 4117-4121.	13.8	99
64	Enhancing the fraction of grafted polystyrene on silica hybrid nanoparticles. Polymer, 2012, 53, 79-86.	3.8	27
65	Immobilization of platinum nanoparticles on 3,4-diaminobenzoyl-functionalized multi-walled carbon nanotube and its electrocatalytic activity. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	6
66	Aromatic Polyimides Containing Main-Chain Diphenylaminofluorene-Benzothiazole Motif: Fluorescence Quenching, Two-Photon Properties, and Exciplex Formation in a Solid State. Macromolecules, 2011, 44, 7194-7206.	4.8	13
67	Preparation and Electrocatalytic Activity of Gold Nanoparticles Immobilized on the Surface of 4-Mercaptobenzoyl-Functionalized Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 1746-1751.	3.1	20
68	Large Femtosecond Two-Photon Absorption Cross Sections of Fullerosome Vesicle Nanostructures Derived from a Highly Photoresponsive Amphiphilic C <sub>60</sub> -Light-Harvesting Fluorene Dyad. Journal of Physical Chemistry C, 2011, 115, 18552-18559.	3.1	10
69	Photomechanical Response of Glassy Azobenzene Polyimide Networks. Macromolecules, 2011, 44, 3840-3846.	4.8	122
70	Unique Ultralow 18 eV-Transnulenyl HOMO-LUMO Energy Gap of Photostable Emerald-Green D3d-2-Methylmalonato[60]fullerenes. Journal of Physical Chemistry Letters, 2011, 2, 2296-2299.	4.6	5
71	Nanocomposite prepared from <i>in situ</i> grafting of polypyrrole to aminobenzoyl-functionalized multiwalled carbon nanotube and its electrochemical properties. Journal of Polymer Science Part A, 2011, 49, 2529-2537.	2.3	35
72	Electrothermal Polymer Nanocomposite Actuators. Advanced Materials, 2010, 22, 3430-3435.	21.0	60

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73	Dielectric characteristics of polyimide CP2. <i>Polymer</i> , 2010, 51, 3139-3146.	3.8	37
74	Nanocomposites based on vapor-grown carbon nanofibers and an epoxy: Functionalization, preparation and characterization. <i>European Polymer Journal</i> , 2010, 46, 1404-1416.	5.4	51
75	Multifunctional poly(2,5-benzimidazole)/carbon nanotube composite films. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1067-1078.	2.3	21
76	Synthesis and electrical properties of polyaniline/polyaniline grafted multiwalled carbon nanotube mixture via <i>in situ</i> static interfacial polymerization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1962-1972.	2.3	32
77	Grafting of polyaniline onto the surface of 4-aminobenzoyl-functionalized multiwalled carbon nanotube and its electrochemical properties. <i>Journal of Polymer Science Part A</i> , 2010, 48, 3103-3112.	2.3	37
78	Synthesis and characterization of highly photoresponsive fullereryl dyads with a close chromophore antenna-C60 contact and effective photodynamic potential. <i>Journal of Materials Chemistry</i> , 2010, 20, 5280.	6.7	49
79	Aryl ether synthesis via low-cost Ullmann coupling systems. <i>Arkivoc</i> , 2010, 2009, 255-265.	0.5	3
80	In-situ synthesis and thermal-electrical properties of CP2- polyimide/pristine and amine-functionalized carbon nanofiber composites. , 2009, , .		0
81	Synthesis and Characterization of Poly(2,5-benzimidazole) (ABPBI) Grafted Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1240, 1.	0.1	2
82	Grafting of 4-(2,4,6-Trimethylphenoxy)benzoyl onto Single-Walled Carbon Nanotubes in Poly(phosphoric acid) via Amide Function. <i>Nanoscale Research Letters</i> , 2009, 4, 766-772.	5.7	11
83	Self-controlled synthesis of hyperbranched poly(etherketone)s from $A_2 + B_3$ approach in poly(phosphoric acid). <i>Journal of Polymer Science Part A</i> , 2009, 47, 3326-3336.	2.3	6
84	Direct Three-Dimensional Microfabrication of Hydrogels via Two-Photon Lithography in Aqueous Solution. <i>Chemistry of Materials</i> , 2009, 21, 2003-2006.	6.7	104
85	Carboxylic Acid-Terminated Hyperbranched Polybenzoxazole and Its Polyarm-Star Block Copolymers. <i>Macromolecules</i> , 2009, 42, 1541-1553.	4.8	5
86	Direct Measurement of the Percolation Probability in Carbon Nanofiber-Polyimide Nanocomposites. <i>Physical Review Letters</i> , 2009, 102, 116601.	7.8	34
87	Synthesis of Highly Luminescent <i>Tris</i> -Fluorenyl Chromophores as Intermediates of Potential Nonlinear Photonic Materials. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 1165-1171.	2.2	0
88	In-Situ Nanocomposite Synthesis: Arylcarbonylation and Grafting of Primary Diamond Nanoparticles with a Poly(etherketone) in Polyphosphoric Acid. <i>Macromolecules</i> , 2009, 42, 114-124.	4.8	41
89	Macromolecular dumbbells: synthesis and photophysical properties of hyperbranched poly(etherketone)-b-polybenzobisthiazole-b-hyperbranched poly(etherketone) ABA triblock copolymers. <i>Journal of Materials Chemistry</i> , 2009, 19, 4172.	6.7	6
90	Branched poly(arylene ether ketone)s with tailored thermal properties: Effects of AB/AB2 ratio, core (B3) percentage, and reaction temperature. <i>Polymer</i> , 2008, 49, 3731-3736.	3.8	6

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91	Nanocomposites derived from <i>in situ</i> grafting of linear and hyperbranched poly(ether ketone)s containing flexible oxyethylene spacers onto the surface of multiwalled carbon nanotubes. Journal of Polymer Science Part A, 2008, 46, 3471-3481.	2.3	41
92	Nylon 610/functionalized multiwalled carbon nanotube composite prepared from <i>in situ</i> interfacial polymerization. Journal of Polymer Science Part A, 2008, 46, 6041-6050.	2.3	28
93	Epoxy/amine functionalized short length vapor grown carbon nanofiber composites. Journal of Polymer Science Part A, 2008, 46, 7473-7482.	2.3	34
94	Synthesis, Characterization, Two-Photon Absorption, and Optical Limiting Properties of Ladder-Type Oligo(phenylene)-Cored Chromophores. Advanced Functional Materials, 2008, 18, 2770-2779.	14.9	107
95	One-pot purification and functionalization of single-walled carbon nanotubes in less-corrosive poly(phosphoric acid). Carbon, 2008, 46, 1841-1849.	10.3	37
96	Functionalization of multi-walled carbon nanotubes with various 4-substituted benzoic acids in mild polyphosphoric acid/phosphorous pentoxide. Carbon, 2008, 46, 1850-1859.	10.3	75
97	Poly(2,5-benzoxazole)/carbon nanotube composites via <i>in situ</i> polymerization of 3-amino-4-hydroxybenzoic acid hydrochloride in a mild poly(phosphoric acid). European Polymer Journal, 2008, 44, 1603-1612.	5.4	21
98	Thermal-Electrical Character of <i>in Situ</i> Synthesized Polyimide-Grafted Carbon Nanofiber Composites. Macromolecules, 2008, 41, 8053-8062.	4.8	58
99	Large-scale self-assembly of dispersed nanodiamonds. Journal of Materials Chemistry, 2008, 18, 1347.	6.7	83
100	Multiphoton Absorbing Materials: Molecular Designs, Characterizations, and Applications. Chemical Reviews, 2008, 108, 1245-1330.	47.7	1,906
101	Synthesis and Characterization of C <sub>60</sub> Dyads with Highly Photoactive Dicyanoethylenylated Diphenylaminofluorene Chromophore Antenna. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 917-924.	2.2	1
102	Semimetallic Transport in Nanocomposites Derived from Grafting of Linear and Hyperbranched Poly(phenylene sulfide)s onto the Surface of Functionalized Multi-Walled Carbon Nanotubes. Macromolecules, 2008, 41, 7423-7432.	4.8	56
103	Regioselective Chemical Modification of Fullerene by Destructive Electrophilic Reaction in Polyphosphoric Acid/Phosphorus Pentoxide. Journal of Physical Chemistry C, 2008, 112, 12188-12194.	3.1	15
104	Nonlinear Optical Transmission Properties of C <sub>60</sub> Dyads Consisting of a Light-Harvesting Diphenylaminofluorene Antenna. Journal of Physical Chemistry B, 2008, 112, 9561-9564.	2.6	23
105	Synthesis and Properties of Polyetherketone-block-Polybenzobisthiazole-block-Polyetherketone ABA Triblock Copolymers. Macromolecules, 2008, 41, 1196-1205.	4.8	11
106	Solubilization of Carbon Nanofibers with a Covalently Attached Hyperbranched Poly(ether ketone). Chemistry of Materials, 2008, 20, 1502-1515.	6.7	24
107	Alternative Approach to an AB <sub>2</sub> Monomer for Hyperbranched Poly(Arylene Ether Ketone) Tj ETQq1 1 0,784314 rgBT /Over	2.1	7
108	Direct imaging of current paths in multiwalled carbon nanofiber polymer nanocomposites using conducting-tip atomic force microscopy. Journal of Applied Physics, 2008, 104, .	2.5	38



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109	Nanocomposites Derived from a Low-Color Aromatic Polyimide (CP2) and Amine-Functionalized Vapor-Grown Carbon Nanofibers: In Situ Polymerization and Characterization. <i>Macromolecules</i> , 2007, 40, 6100-6111.	4.8	44
110	Starburst Encapsulation of C <sub>60</sub> by Multiple Hindered Two-Photon Absorptive Diphenylaminodialkylfluorene Arms. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1265-1273.	2.2	2
111	Large concentration-dependent nonlinear optical responses of starburst diphenylaminofluorencarbonyl methano[60]fullerene pentads. <i>Journal of Materials Chemistry</i> , 2007, 17, 1826.	6.7	30
112	Insight into the Nonlinear Absorbance of Two Related Series of Two-Photon Absorbing Chromophores. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1899-1906.	2.5	26
113	Single- and Two-Photon Properties of a Dye-Derivatized Roussin's Red Salt Ester (Fe <sub>2</sub> ( $\frac{1}{4}$ -RS) <sub>2</sub> (NO) <sub>4</sub> ) with a Large TPA Cross Section. <i>Inorganic Chemistry</i> , 2007, 46, 395-402.	4.0	63
114	In-Situ Grafting of Hyperbranched Poly(ether ketone)s onto Multiwalled Carbon Nanotubes via the A3 + B2 Approach. <i>Macromolecules</i> , 2007, 40, 4474-4480.	4.8	46
115	In situ grafting of carboxylic acid-terminated hyperbranched poly(ether-ketone) to the surface of carbon nanotubes. <i>Polymer</i> , 2007, 48, 4034-4040.	3.8	54
116	Simplified tube form factor for analysis of small-angle scattering data from carbon nanotube filled systems. <i>Journal of Applied Crystallography</i> , 2007, 40, s88-s92.	4.5	30
117	Synthesis of linear and hyperbranched poly(etherketone)s containing flexible oxyethylene spacers. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5112-5122.	2.3	8
118	Conversion of 2-(4-carboxyphenyl)-6-nitrobenzothiazole to 4-(6-amino-5-hydroxybenzothiazol-2-yl)benzoic acid by a recombinant E. coli strain. <i>Chemical Communications</i> , 2006, , 564-565.	4.1	2
119	Light-Harvesting Chromophores with Metalated Porphyrin Cores for Tuned Photosensitization of Singlet Oxygen via Two-Photon Excited FRET. <i>Chemistry of Materials</i> , 2006, 18, 3682-3692.	6.7	112
120	Effects of Conjugation in Length and Dimension on Spectroscopic Properties of Fluorene-Based Chromophores from Experiment and Theory. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13172-13182.	2.5	42
121	Large Cross-Section Enhancement and Intramolecular Energy Transfer upon Multiphoton Absorption of Hindered Diphenylaminofluorene-C <sub>60</sub> Dyads and Triads. <i>Chemistry of Materials</i> , 2006, 18, 4065-4074.	6.7	48
122	Synthesis and Chain-End Modification of a Novel Hyperbranched Polymer Containing Alternating Quinoxaline and Benzoxazole Repeat Units. <i>Macromolecules</i> , 2006, 39, 7959-7966.	4.8	16
123	Synthesis and characterization of photoresponsive diphenylaminofluorene chromophore adducts of [60]fullerene. <i>Journal of Materials Chemistry</i> , 2006, 16, 1366.	6.7	34
124	Hyperbranched Poly(phenylquinoxaline-ether-ketone) Synthesis in Poly(phosphoric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (ac 2794-2803.	4.8	12
125	Self-Controlled Synthesis of Hyperbranched Poly(ether ketone)s from A3 + B2 Approach via Different Solubilities of Monomers in the Reaction Medium. <i>Macromolecules</i> , 2006, 39, 9057-9063.	4.8	32
126	Thermally reactive phenylethynyl-terminated bis(benzylester) and bis(amide) monomers based on semi-enzymatically produced 6-phenylethynyl picolinic acid. <i>Polymer</i> , 2006, 47, 1197-1206.	3.8	8



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127	Modification of bisphenol-A based bismaleimide resin (BPA-BMI) with an allyl-terminated hyperbranched polyimide (AT-PAEKI). <i>Polymer</i> , 2006, 47, 2813-2821.	3.8	77
128	Grafting of vapor-grown carbon nanofibers (VGCNF) with a hyperbranched poly(ether-ketone). <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 132, 103-107.	3.5	20
129	Multiwalled carbon nanotubes and nanofibers grafted with polyetherketones in mild and viscous polymeric acid. <i>Polymer</i> , 2006, 47, 1132-1140.	3.8	66
130	Development of novel two-photon absorbing chromophores. , 2006, , .		0
131	Background host effects on the nonlinear photophysical properties of a two-photon absorbing dye. , 2005, , .		0
132	Unusual thermal relaxation of viscosity-and-shear-induced strain in poly(ether-ketones) synthesized in highly viscous polyphosphoric acid/P2O5 medium. <i>Polymer</i> , 2005, 46, 1543-1552.	3.8	36
133	Geometrical influence of AB <sub>n</sub> monomer structure on the thermal properties of linear-hyperbranched ether-ketone copolymers prepared via an AB+AB <sub>n</sub> route. <i>Polymer</i> , 2005, 46, 9686-9693.	3.8	7
134	Synthesis of C60-diphenylaminofluorene dyads with two-photon absorbing characteristics. <i>Synthetic Metals</i> , 2005, 154, 185-188.	3.9	13
135	In Situ Synthesis of Poly(ethylene terephthalate) (PET) in Ethylene Glycol Containing Terephthalic Acid and Functionalized Multiwalled Carbon Nanotubes (MWNTs) as an Approach to MWNT/PET Nanocomposites. <i>Chemistry of Materials</i> , 2005, 17, 5057-5064.	6.7	172
136	Degenerate two-photon-absorption spectral studies of highly two-photon active organic chromophores. <i>Journal of Chemical Physics</i> , 2004, 120, 5275-5284.	3.0	74
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