

# Chaobin He

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1533403/chaobin-he-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

341  
papers

14,278  
citations

65  
h-index

100  
g-index

355  
ext. papers

15,678  
ext. citations

5.2  
avg. IF

6.76  
L-index

#	Paper	IF	Citations
341	Designing ultratough, malleable and foldable biocomposites for robust green electronic devices. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 1497-1505	13	1
340	The crystallization of decanoic acid/dopamine supramolecular self-assemblies in the presence of coacervates.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 615, 759-767	9.3	
339	Diverse-shaped tin dioxide nanoparticles within a plastic waste-derived three-dimensional porous carbon framework for super stable lithium-ion storage.. <i>Science of the Total Environment</i> , <b>2022</b> , 815, 152900	10.2	1
338	Enhanced thermoelectric performance of conducting polymer composites by constructing sequential energy-filtering interfaces and energy barriers. <i>Composites Science and Technology</i> , <b>2022</b> , 221, 109347	8.6	0
337	Facile anchoring mussel adhesive mimic tentacles on biodegradable polymer cargo carriers via self-assembly for microplastic-free cosmetics.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 612, 13-22	9.3	1
336	Strong Interface via Weak Interactions: Ultratough and Malleable Polylactic acid/Polyhydroxybutyrate Biocomposites. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , e2100619	4.8	4
335	Branched Poly(l-lysine)-Derived Nitrogen-Containing Porous Carbon Flake as the Metal-Free Electrocatalyst toward Efficient Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 3317-3326	6.1	7
334	Entropy-Driven Ultratough Blends from Brittle Polymers.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 406-411	6.6	5
333	Metal-Organic Framework-Based Flexible Devices with Simultaneous Electrochromic and Electrofluorochromic Functions. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 1489-1495	4	3
332	Speed-Induced Extensibility Elastomers with Good Resilience and High Toughness. <i>Macromolecules</i> , <b>2021</b> , 54, 3358-3365	5.5	3
331	Uniformly Dispersed Nanoparticles in Modified Polyimides Exhibiting High Thermal Stability and Bright Emissions in the Telecommunication Window. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 7134-7144	5.6	2
330	Engineering doping level for enhanced thermoelectric performance of carbon nanotubes/polyaniline composites. <i>Composites Science and Technology</i> , <b>2021</b> , 210, 108797	8.6	9
329	Robust, 3D-printed hydratable plastics for effective solar desalination. <i>Nano Energy</i> , <b>2021</b> , 79, 105436	17.1	18
328	Construction of a hierarchical multiscale conducting network for enhanced thermoelectric response in organic PEDOT:PSS based nanocomposites. <i>Journal of Materiomics</i> , <b>2021</b> , 7, 34-39	6.7	4
327	Dual-Phase Poly(lactic acid)/Poly(hydroxybutyrate)-Rubber Copolymer as High-Performance Shape Memory Materials. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 389-399	4.3	13
326	Mitochondria targeted composite enzyme nanogels for synergistic starvation and photodynamic therapy. <i>Nanoscale</i> , <b>2021</b> , 13, 17737-17745	7.7	2
325	Effect of surface coupling agents on the mechanical behaviour of polypropylene/silica composites: a molecular dynamics study. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	2

324	GOX-hemin nanogels with enhanced cascade activity for sensitive one-step glucose detection. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 3509-3514	7.3	4
323	Temperature and pH Responsive Light-Harvesting System Based on AIE-Active Microgel for Cell Imaging. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2000716	4.8	4
322	Enhanced Thermoelectric Performance of Carbon Nanotubes/Polyaniline Composites by Multiple Interface Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 6650-6658	9.5	13
321	Insights into the nucleation and crystallization analysis of PHB-rubber toughened PLA biocomposites. <i>Composites Communications</i> , <b>2021</b> , 27, 100894	6.7	6
320	Transparent low-voltage-driven soft actuators with silver nanowires Joule heaters. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 5251-5256	4.9	4
319	Recent Advances in Complex Coacervation Design from Macromolecular Assemblies and Emerging Applications. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000149	4.8	19
318	Bend, Twist, and Turn: First Bendable and Malleable Toughened PLA Green Composites. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001565	15.6	24
317	Super Tough and Self-Healable Poly(dimethylsiloxane) Elastomer via Hydrogen Bonding Association and Its Applications as Triboelectric Nanogenerators. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31975-31983	9.5	28
316	A general approach towards carbonization of plastic waste into a well-designed 3D porous carbon framework for super lithium-ion batteries. <i>Chemical Communications</i> , <b>2020</b> , 56, 9142-9145	5.8	20
315	Introduction of Organosilicon Materials <b>2020</b> , 1-21		0
314	Reactive Functionally Terminated Polyorganosiloxanes <b>2020</b> , 23-61		1
313	Functionalized Polyhedral Oligomeric Silsesquioxanes (POSS) and Copolymers <b>2020</b> , 63-96		0
312	Nanostructured Self-assemblies from Silicon-containing Hybrid Copolymers <b>2020</b> , 97-117		2
311	Superhydrophobic Materials Derived from Hybrid Silicon Copolymers <b>2020</b> , 119-143		1
310	Silicone Copolymers for Healthcare and Personal Care Applications <b>2020</b> , 145-166		2
309	Construction of Organic Optoelectronic Materials by Using Polyhedral Oligomeric Silsesquioxanes (POSS) <b>2020</b> , 167-200		1
308	Hybrid POSS Nanocomposites <b>2020</b> , 201-237		2
307	3D Printing Silicone Materials and Devices <b>2020</b> , 239-263		3

306	Polyhedral Oligomeric Silsesquioxanes (POSS)-Based Hybrid Soft Gels: Molecular Design, Material Advantages, and Emerging Applications <b>2020</b> , 2, 296-316		41
305	Highly Stable and Rapid Switching Electrochromic Thin Films Based on Metal-Organic Frameworks with Redox-Active Triphenylamine Ligands. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 7442-7450	9.5	23
304	Facile green strategy for improving thermoelectric performance of carbon nanotube/polyaniline composites by ethanol treatment. <i>Composites Science and Technology</i> , <b>2020</b> , 189, 108023	8.6	24
303	Robust pure copper framework by extrusion 3D printing for advanced lithium metal anodes. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9058-9067	13	21
302	Hierarchical porous carbon monolith derived from lignin for high areal capacitance supercapacitors. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 297, 109960	5.3	42
301	Conversion of biomass lignin to high-value polyurethane: A review. <i>Journal of Bioresources and Bioproducts</i> , <b>2020</b> , 5, 163-179	18.7	51
300	Implications for Auxetic Response in Liquid Crystalline Polymers: X-Ray Scattering and Space-Filling Molecular Modeling. <i>Physica Status Solidi (B): Basic Research</i> , <b>2020</b> , 257, 2000261	1.3	4
299	Highly Washable and Reusable Green Nanofibrous Sorbent with Superoleophilicity, Biodegradability, and Mechanical Robustness. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 4825-4835	4.3	16
298	Synergistic Toughening of Poly(lactic acid)/Cellulose Nanocrystal Composites through Cooperative Effect of Cavitation and Crazing Deformation Mechanisms. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 509-518	4.3	19
297	3D-Printed Anti-Fouling Cellulose Mesh for Highly Efficient Oil/Water Separation Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13787-13795	9.5	67
296	Modulating carrier transport for the enhanced thermoelectric performance of carbon nanotubes/polyaniline composites. <i>Organic Electronics</i> , <b>2019</b> , 69, 62-68	3.5	28
295	Highly conductive and mechanically robust carbon nanotubes/waterborne polyurethane composite films for efficient electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 121, 411-417	8.4	61
294	Simultaneous enhancement of electrical conductivity and seebeck coefficient in organic thermoelectric SWNT/PEDOT:PSS nanocomposites. <i>Carbon</i> , <b>2019</b> , 149, 25-32	10.4	52
293	Overcome the Conflict between Strength and Toughness in Poly(lactide) Nanocomposites through Tailoring Matrix-Filler Interface. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800047	4.8	15
292	Liquid polyoctahedral silsesquioxanes as an effective and facile reinforcement for liquid silicone rubber. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 46996	2.9	6
291	Highly porous polymer nanofibrous aerogels cross-linked via spontaneous inter-fiber stereocomplexation and their potential for capturing ultrafine airborne particles. <i>Polymer</i> , <b>2019</b> , 179, 121649	3.9	10
290	Interfacial Energy Barrier Tuning for Enhanced Thermoelectric Performance of PEDOT Nanowire/SWNT/PEDOT:PSS Ternary Composites. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 8843-8850	6.1	16
289	Self-Healable, Fast Responsive Poly( $\epsilon$ -Pentadecalactone) Thermogelling System for Effective Liver Cancer Therapy. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 683	5	10

288	Porous polyaniline/carbon nanotube composite electrode for supercapacitors with outstanding rate capability and cyclic stability. <i>Composites Part B: Engineering</i> , <b>2019</b> , 165, 671-678	10	38
287	A highly bendable transparent electrode for organic electrochromic devices. <i>Organic Electronics</i> , <b>2019</b> , 66, 86-93	3.5	25
286	Carbon nanotubes-bridged-fumed silica as an effective binary nanofillers for reinforcement of silicone elastomers. <i>Composites Science and Technology</i> , <b>2019</b> , 169, 232-241	8.6	13
285	Robust Oil-Fouling Resistance of Amorphous Cellulose Surface Underwater: A Wetting Study and Application. <i>Langmuir</i> , <b>2019</b> , 35, 839-847	4	10
284	High-performance thermoelectric materials based on ternary TiO/CNT/PANI composites. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 9411-9418	3.6	40
283	Biodegradable silica rubber core-shell nanoparticles and their stereocomplex for efficient PLA toughening. <i>Composites Science and Technology</i> , <b>2018</b> , 159, 11-17	8.6	56
282	Electrically conductive PDMS-grafted CNTs-reinforced silicone elastomer. <i>Composites Science and Technology</i> , <b>2018</b> , 159, 208-215	8.6	26
281	Configuration-dependent optical properties and acid susceptibility of azulene compounds. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5153-5160	7.1	14
280	Interfacial control and carrier tuning of carbon nanotube/polyaniline composites for high thermoelectric performance. <i>Carbon</i> , <b>2018</b> , 136, 292-298	10.4	57
279	Loose yarn of Ag-ZnO-PAN/ITO hybrid nanofibres: Preparation, characterization and antibacterial evaluation. <i>Materials and Design</i> , <b>2018</b> , 139, 153-161	8.1	13
278	Effect of surface chemistry and morphology of silica on the thermal and mechanical properties of silicone elastomers. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46646	2.9	18
277	Fully biodegradable Poly(lactic acid)/Starch blends: A review of toughening strategies. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 99-113	7.9	85
276	Tailoring the surface chemistry and morphology of glass fiber membranes for robust oil/water separation using poly(dimethylsiloxanes) as hydrophobic molecular binders. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 607-615	13	44
275	Superhydrophobic and slippery liquid-infused porous surfaces formed by the self-assembly of a hybrid ABC triblock copolymer and their antifouling performance. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 440-448	7.3	35
274	Recent advances in the development of biodegradable PHB-based toughening materials: Approaches, advantages and applications. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 1092-1116	8.3	121
273	Biodegradable PHB-Rubber Copolymer Toughened PLA Green Composites with Ultrahigh Extensibility. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 15517-15527	8.3	44
272	Cavitation-crazing transition in rubber toughening of poly(lactic acid)-cellulose nanocrystal composites. <i>Composites Science and Technology</i> , <b>2018</b> , 168, 12-19	8.6	24
271	Compatibilization of multicomponent composites through a transitioning phase: Interfacial tensions considerations. <i>Composites Science and Technology</i> , <b>2018</b> , 164, 34-43	8.6	11

270	Polyhedral oligomeric silsesquioxanes (POSSs): an important building block for organic optoelectronic materials. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5283-5298	7.1	106
269	Photopolymer resins for luminescent three-dimensional printing. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 44988	2.9	36
268	Highly Biodegradable and Tough Polylactic Acid/Cellulose Nanocrystal Composite. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 3929-3937	8.3	95
267	Tailoring the Diameters of Polyaniline Nanofibers for Sensor Application. <i>ACS Omega</i> , <b>2017</b> , 2, 6506-6513	3.9	8
266	Carboxylated Lignin as an Effective Cohardener for Enhancing Strength and Toughness of Epoxy. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1700341	3.9	15
265	High Modulus, Strength, and Toughness Polyurethane Elastomer Based on Unmodified Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 7942-7949	8.3	68
264	Lightweight flexible carbon nanotube/polyaniline films with outstanding EMI shielding properties. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 8694-8698	7.1	52
263	Fast light-induced reversible wettability of a zinc oxide nanorod array coated with a thin gold layer. <i>Nanotechnology</i> , <b>2017</b> , 28, 445404	3.4	2
262	Stable Superhydrophobic Porous Coatings from Hybrid ABC Triblock Copolymers and Their Anticorrosive Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30056-30063	9.5	21
261	Low Loss Nanostructured Polymers for Chip-scale Waveguide Amplifiers. <i>Scientific Reports</i> , <b>2017</b> , 7, 33664	4.9	10
260	Synthesis and properties of cyclotriphosphazene and perfluoropolyether-based lubricant with polar functional groups. <i>Lubrication Science</i> , <b>2017</b> , 29, 31-42	1.3	7
259	Cross-linking SixOy Cages with Carbon by Thermally Annealing Polyhedral Oligomeric Silsesquioxane: Structures, Morphology, and Electrochemical Properties as Lithium-Ion Battery Anodes. <i>ChemElectroChem</i> , <b>2017</b> , 4, 49-55	4.3	3
258	Synthesis and Interfacial Properties of Optically-Active Photonic Nanocomposites with Single Nanoparticle Dispersion at High Solids Loading. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600334	4.6	6
257	Composites, Nanocomposites and Hybrid Materials <b>2016</b> , 21-36		1
256	Lignin Epoxy Composites: Preparation, Morphology, and Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , <b>2016</b> , 301, 328-336	3.9	38
255	Hybrid Starlike Block Copolymer POSS(PDMAEMA-b-PNIPAm) <sub>8</sub> : Thermal Gelation and Its Blends with Poly(vinyl alcohol). <i>Macromolecules</i> , <b>2016</b> , 49, 4236-4244	5.5	33
254	Facile Layer-by-Layer Self-Assembly toward Enantiomeric Poly(lactide) Stereocomplex Coated Magnetite Nanocarrier for Highly Tunable Drug Deliveries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 1842-53	9.5	84
253	Improving the fracture toughness of epoxy with nanosilica-rubber core-shell nanoparticles. <i>Composites Science and Technology</i> , <b>2016</b> , 125, 132-140	8.6	58

252	Lignin-derived interconnected hierarchical porous carbon monolith with large areal/volumetric capacitances for supercapacitor. <i>Carbon</i> , <b>2016</b> , 100, 151-157	10.4	155
251	Supramolecular (Hydrogen-Bonded and Halogen-Bonded) Liquid Crystalline Polymers <b>2016</b> , 391-409		0
250	The Effect of Residual Solvent N,N'-Dimethylformamide on the Curing Reaction and Mechanical Properties of Epoxy and Lignin Epoxy Composites. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1065-1073	2.6	20
249	Recent advances in stereocomplexation of enantiomeric PLA-based copolymers and applications. <i>Progress in Polymer Science</i> , <b>2016</b> , 62, 22-72	29.6	184
248	Recent Progress in Using Stereocomplexation for Enhancement of Thermal and Mechanical Property of Polylactide. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 5370-5391	8.3	154
247	Regiospecific protonation of organic chromophores. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 18758-66		3
246	A new aspect of cyclopentadithiophene based polymers: narrow band gap polymers upon protonation. <i>Chemical Communications</i> , <b>2015</b> , 51, 13229-32	5.8	5
245	Origin of Near-Infrared Absorption for Azulene-Containing Conjugated Polymers upon Protonation or Oxidation. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 8176-83	3.4	23
244	Simultaneous enhancement of strength and toughness of epoxy using POSS-Rubber core-shell nanoparticles. <i>Composites Science and Technology</i> , <b>2015</b> , 118, 63-71	8.6	44
243	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. <i>Nanoscale</i> , <b>2015</b> , 7, 9394-8	7.7	48
242	Highly Sensitive and Fast Response Colorimetric Humidity Sensors Based on Graphene Oxides Film. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19882-6	9.5	82
241	Phase PVDF-hfp induced by mesoporous SiO <sub>2</sub> nanorods: synthesis and formation mechanism. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3708-3713	7.1	53
240	Fluorinated polyhedral oligomeric silsesquioxanes. <i>RSC Advances</i> , <b>2015</b> , 5, 4547-4553	3.7	16
239	Interactions mediated self-assembly of gold nanoparticles into single crystalline superlattices in solution. <i>RSC Advances</i> , <b>2015</b> , 5, 90766-90771	3.7	11
238	"Breathing" unimolecular micelles based on a novel star-like amphiphilic hybrid copolymer. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 4715-4722	7.3	28
237	Highly thermally stable cyclotriphosphazene based perfluoropolyether lubricant oil. <i>Tribology International</i> , <b>2015</b> , 90, 257-262	4.9	19
236	Uniform Polyaniline Nanotubes Formation via Frozen Polymerization and Application for Oxygen Reduction Reactions. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 977-984	2.6	6
235	Biodegradable and renewable poly(lactide)/lignin composites: synthesis, interface and toughening mechanism. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 3699-3709	13	119

234	Poly(ethylene glycol) conjugated poly(lactide)-based polyelectrolytes: synthesis and formation of stable self-assemblies induced by stereocomplexation. <i>Langmuir</i> , <b>2015</b> , 31, 2321-33	4	50
233	Fundamentals of Polymers and Polymer Composite <b>2015</b> , 3-42		2
232	Rheological and mechanical properties of epoxy/clay nanocomposites with enhanced tensile and fracture toughnesses. <i>Polymer</i> , <b>2015</b> , 58, 43-52	3.9	81
231	Azulene-based conjugated polymers with tuneable near-IR absorption up to 2.5 $\mu$ m. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 2980-2989	4.9	38
230	Protonation induced shifting of electron-accepting centers in intramolecular charge transfer chromophores: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 20221-7	3.6	9
229	Electrospun poly(vinylidene fluoride) copolymer/octahydroxy-polyhedral oligomeric silsesquioxane nanofibrous mats as ionic liquid host: enhanced salt dissociation and its function in electrochromic device. <i>Electrochimica Acta</i> , <b>2014</b> , 146, 224-230	6.7	24
228	Pure blue-light emissive poly(oligofluorenes) with bifunctional poss in the main chain. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 801-6	4.8	23
227	Novel linear-dendritic-like amphiphilic copolymers: synthesis and self-assembly characteristics. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 4069-4075	4.9	46
226	Star-shaped polyhedral oligomeric silsesquioxane-polycaprolactone-polyurethane as biomaterials for tissue engineering application. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e142-e142	10.3	29
225	Design of polyhedral oligomeric silsesquioxane (POSS) based thermo-responsive amphiphilic hybrid copolymers for thermally denatured protein protection applications. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 6740-6753	4.9	57
224	Shear-induced conformation change in $\beta$ -crystalline nylon6. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 221910	3.4	6
223	Performance enhancement of polylactide by nanoblending with POSS and graphene oxide. <i>Polymer Composites</i> , <b>2014</b> , 35, 118-126	3	13
222	Highly Thermally Resistant Polyhedral Oligomeric Silsesquioxanes Lubricating Oil Prepared via a Thiol-Ene Click Reaction. <i>Science of Advanced Materials</i> , <b>2014</b> , 6, 1553-1561	2.3	3
221	Solution-processable multicolored dithienothiophene-based conjugated polymers for electrochromic applications. <i>European Polymer Journal</i> , <b>2013</b> , 49, 2446-2456	5.2	20
220	Temperature and pH Dual-Responsive Behavior of Dendritic Poly(N-isopropylacrylamide) with a Polyoligomeric Silsesquioxane Core and Poly(2-hydroxyethyl methacrylate) Shell. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 396-404	2.6	8
219	pH-responsive amphiphilic hybrid random-type copolymers of poly(acrylic acid) and poly(acrylate-POSS): synthesis by ATRP and self-assembly in aqueous solution. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 1803-1815	2.4	25
218	Effect of interphase and strain-rate on the tensile properties of polyamide 6 reinforced with functionalized silica nanoparticles. <i>Composites Science and Technology</i> , <b>2013</b> , 75, 62-69	8.6	36
217	Study of amino-functionalized mesoporous silica nanoparticles (NH <sub>2</sub> -MSN) and polyamide-6 nanocomposites co-incorporated with NH <sub>2</sub> -MSN and organo-montmorillonite. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 170, 226-234	5.3	14

216	Thermally stable azobenzene dyes through hybridization with POSS. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 735	3.6	22
215	Large area, facile oxide nanofabrication via step-and-flash imprint lithography of metal-organic hybrid resins. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 13113-23	9.5	15
214	Amphiphilic conetworks and gels physically cross-linked via stereocomplexation of polylactide. <i>Langmuir</i> , <b>2013</b> , 29, 14307-13	4	28
213	The Effect of Different Clay Dispersion Methods on the Properties of Polyurethane/Clay Nanocomposites. <i>Australian Journal of Chemistry</i> , <b>2013</b> , 66, 1039	1.2	7
212	Membrane assisted micro-solid phase extraction of pharmaceuticals with amino and urea-grafted silica gel. <i>Journal of Chromatography A</i> , <b>2013</b> , 1316, 8-14	4.5	18
211	Effective moduli of nanoparticle reinforced composites considering interphase effect by extended double-inclusion model Theory and explicit expressions. <i>International Journal of Engineering Science</i> , <b>2013</b> , 73, 33-55	5.7	63
210	Tuning self-assembly of hybrid PLA-P(MA-POSS) block copolymers in solution via stereocomplexation. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 1250-1259	4.9	40
209	An amphiphilic-like fluoroalkyl modified SiO <sub>2</sub> nanoparticle@Nafion proton exchange membrane with excellent fuel cell performance. <i>Chemical Communications</i> , <b>2013</b> , 49, 9639-41	5.8	18
208	Synthesis, stereocomplex crystallization, morphology and mechanical property of poly(lactide)@carbon nanotube nanocomposites. <i>RSC Advances</i> , <b>2013</b> , 3, 2219	3.7	53
207	Rubber toughening of poly(lactic acid): Effect of stereocomplex formation at the rubber-matrix interface. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 2541-2547	2.9	22
206	Thermally stable glassy luminescent cyclotriphosphazenes. <i>European Polymer Journal</i> , <b>2013</b> , 49, 2404-2414	4.4	2
205	Nanocomposites for bone tissue regeneration. <i>Nanomedicine</i> , <b>2013</b> , 8, 639-53	5.6	68
204	Graphene-wrapped polyaniline hollow spheres as novel hybrid electrode materials for supercapacitor applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3382-91	9.5	288
203	A Universal Scheme for Patterning of Oxides via Thermal Nanoimprint Lithography. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2201-2211	15.6	31
202	Synthesis and self-assembly of halogen-bond donor-spacer-hydrogen-bond donor molecules: polymeric liquid crystals induced by combination of intermolecular halogen- and hydrogen-bonding interactions. <i>Liquid Crystals</i> , <b>2013</b> , 40, 185-196	2.3	28
201	Nitrogen-doped graphene hollow nanospheres as novel electrode materials for supercapacitor applications. <i>Journal of Power Sources</i> , <b>2013</b> , 243, 973-981	8.9	140
200	Polymer nanocomposite hydrogels exhibiting both dynamic restructuring and unusual adhesive properties. <i>Langmuir</i> , <b>2013</b> , 29, 7087-95	4	19
199	Lignin-derived fused electrospun carbon fibrous mats as high performance anode materials for lithium ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12275-82	9.5	231

198	Biodegradable Core-Shell Rubber Nanoparticles and Their Toughening of Poly(lactides). <i>Macromolecules</i> , <b>2013</b> , 46, 9625-9633	5.5	100
197	Near-infrared responsive conjugated polymers to 1.5 $\mu$ m and beyond: synthesis and electrochromic switching application. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 431-6	4.8	23
196	Tailoring the LCST of PNIPAAm-b-PLA-b-PNIPAAm triblock copolymers via stereocomplexation. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 1761-6	4.8	15
195	Photoluminescence from amino-containing polymer in the presence of CO <sub>2</sub> : carbamate anion formed as a fluorophore. <i>Scientific Reports</i> , <b>2013</b> , 3, 2763	4.9	30
194	Triple-shape properties of star-shaped POSS-polycaprolactone polyurethane networks. <i>Soft Matter</i> , <b>2012</b> , 8, 965-972	3.6	68
193	Rubber-like shape memory polymeric materials with repeatable thermal-assisted healing function. <i>Smart Materials and Structures</i> , <b>2012</b> , 21, 115010	3.4	33
192	Superhydrophobic fluorinated POSS/PVDF-HFP nanocomposite coating on glass by electrospinning. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18479		102
191	Azulene-containing organic chromophores with tunable near-IR absorption in the range of 0.6 to 1.7 $\mu$ m. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10448		54
190	Calculation of infrared/Raman spectra and dielectric properties of various crystalline poly(lactic acid)s by density functional perturbation theory (DFPT) method. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 1524-35	3.4	27
189	Synthesis and Stereocomplex Crystallization of Poly(lactide)/Graphene Oxide Nanocomposites. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 709-713	6.6	145
188	Direct nanoimprint lithography of Al <sub>2</sub> O <sub>3</sub> using a chelated monomer-based precursor. <i>Nanotechnology</i> , <b>2012</b> , 23, 315304	3.4	15
187	Chemical controlled reversible gold nanoparticles dissolution and reconstruction at room-temperature. <i>Chemical Communications</i> , <b>2012</b> , 48, 6136-8	5.8	23
186	Star-branched cationic light-emitting dot with silsesquioxane core, synthesis, and light scattering studies. <i>Polymer Bulletin</i> , <b>2012</b> , 68, 2131-2144	2.4	
185	Temperature and pH dual-responsive behavior of polyhedral oligomeric silsesquioxane-based star-block copolymer with poly(acrylic acid-block-N-isopropylacrylamide) as arms. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 507-515	2.4	20
184	Investigation of thermomechanical properties and matrix/filler interaction on polyimide/graphene oxide composites. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 2530-2536	2.3	19
183	Some recent developments of polyhedral oligomeric silsesquioxane (POSS)-based polymeric materials. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2775-2782		212
182	High performance additive manufactured scaffolds for bone tissue engineering application. <i>Soft Matter</i> , <b>2011</b> , 7, 8013	3.6	26
181	Three-Dimensional Structure of CeO <sub>2</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3544-3553	3.8	63

180	PEG-POSS assisted facile preparation of amphiphilic gold nanoparticles and interface formation of Janus nanoparticles. <i>Chemical Communications</i> , <b>2011</b> , 47, 767-9	5.8	24
179	Stable dispersions of hybrid nanoparticles induced by stereocomplexation between enantiomeric poly(lactide) star polymers. <i>Langmuir</i> , <b>2011</b> , 27, 10538-47	4	46
178	Fabrication of CFRP from high performance clay/epoxy nanocomposite: Preparation conditions, thermal/mechanical properties and interlaminar fracture characteristics. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2011</b> , 42, 881-887	8.4	31
177	Hydrothermally stable periodic mesoporous ethane-silica and bimodal mesoporous nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 8481-7	1.3	3
176	In situ formation and ordered assembly of gold nanoclusters to nano-ribbons at the oil/water interface. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 15167		23
175	Organic/inorganic hybrid liquid crystals derived from octameric silsesquioxanes. Effect of the peripheral groups in mesogens on the formation of liquid crystals. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 5248		36
174	Enhanced ordering in gold nanoparticles self-assembly through excess free ligands. <i>Langmuir</i> , <b>2011</b> , 27, 3355-60	4	51
173	Tailoring Micelle Formation and Gelation in (PEG <sub>B</sub> (MA-POSS)) Amphiphilic Hybrid Block Copolymers. <i>Macromolecules</i> , <b>2011</b> , 44, 622-631	5.5	78
172	Star-shaped POSS-polycaprolactone polyurethanes and their shape memory performance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 4827		93
171	Syntheses of chitin-based imprinting polymers and their binding properties for cholesterol. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 495-500	2.9	20
170	PREPARATION, MORPHOLOGY AND MECHANICAL PROPERTIES OF EPOXY NANOCOMPOSITES WITH ALUMINA FILLERS. <i>International Journal of Modern Physics B</i> , <b>2010</b> , 24, 136-147	1.1	2
169	Synthesis and self-assembly of brush-type poly[poly(ethylene glycol)methyl ether methacrylate]-block-poly(pentafluorostyrene) amphiphilic diblock copolymers in aqueous solution. <i>Langmuir</i> , <b>2010</b> , 26, 2361-8	4	54
168	Barnacle repellent nanostructured surfaces formed by the self-assembly of amphiphilic block copolymers. <i>Polymer Chemistry</i> , <b>2010</b> , 1, 276-279	4.9	37
167	Covalent Incorporation of Ethylenediamine Ligands in the Framework of Periodic Mesoporous Organosilica Nanostructure. <i>Soft Materials</i> , <b>2010</b> , 8, 183-196	1.7	4
166	Time-dependent polymerization kinetic study and the properties of hybrid polymers with functional silsesquioxanes. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 9119-27	3.4	40
165	Efficient gene delivery with paclitaxel-loaded DNA-hybrid polyplexes based on cationic polyhedral oligomeric silsesquioxanes. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 10634		74
164	Ab initio elasticity of poly(lactic acid) crystals. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 3133-9	3.4	24
163	Micelle formation and gelation of (PEG-P(MA-POSS)) amphiphilic block copolymers via associative hydrophobic effects. <i>Langmuir</i> , <b>2010</b> , 26, 11763-73	4	83

162	Self-assembly of block copolymer micelles: synthesis via reversible addition-fragmentation chain transfer polymerization and aqueous solution properties. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 9128-34	3.4	28
161	Designing poly[(R)-3-hydroxybutyrate]-based polyurethane block copolymers for electrospun nanofiber scaffolds with improved mechanical properties and enhanced mineralization capability. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 7489-98	3.4	33
160	Synthesis and optical characteristics of organic light-emitting dot based on well-defined octa-functionalized silsesquioxane. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 2787-2798	2.3	3
159	Aggregation induced polyelectrolyte multilayer film containing cubic silsesquioxane nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 2865-2874	2.3	1
158	Morphology, tensile and fracture characteristics of epoxy-alumina nanocomposites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2010</b> , 527, 5670-5676	5.3	73
157	Multi-walled carbon nanotube/polyimide composite film fabricated through electrophoretic deposition. <i>Polymer</i> , <b>2010</b> , 51, 2155-2160	3.9	35
156	A DFT study on poly(lactic acid) polymorphs. <i>Polymer</i> , <b>2010</b> , 51, 2779-2785	3.9	48
155	Solvent-Free One-Pot Synthesis of high performance silica/epoxy nanocomposites. <i>Polymer</i> , <b>2010</b> , 51, 5377-5384	3.9	17
154	Morphology and thermal degradation behavior of highly exfoliated CoAl-layered double hydroxide/polycaprolactone nanocomposites prepared by simple solution intercalation. <i>Thermochimica Acta</i> , <b>2010</b> , 502, 1-7	2.9	60
153	Thermo-mechanical properties of poly(vinylidene fluoride) modified graphite/poly(methyl methacrylate) nano composites. <i>Composites Science and Technology</i> , <b>2010</b> , 70, 578-583	8.6	27
152	Synthesis, micelle formation, and bulk properties of poly(ethylene glycol)-b-poly(pentafluorostyrene)-g-polyhedral oligomeric silsesquioxane amphiphilic hybrid copolymers. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 152-163	2.5	45
151	Covalent bonded polymer-graphene nanocomposites. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 4262-4267	6.7	132
150	Grafting polyamide 6 onto multi-walled carbon nanotubes using microwave irradiation. <i>Polymer International</i> , <b>2010</b> , 59, 1346-1349	3.3	5
149	ORGANIC-INORGANIC HYBRID NANOPARTICLES WITH QUANTUM CONFINEMENT EFFECT. <i>International Journal of Nanoscience</i> , <b>2009</b> , 08, 185-190	0.6	1
148	Synthesis and Self-Assembly of pH-Responsive Amphiphilic Poly(dimethylaminoethyl methacrylate)-block-Poly(pentafluorostyrene) Block Copolymer in Aqueous Solution. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 1002-8	4.8	29
147	Morphologies and electrical properties of electrospun poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate]/ multiwalled carbon nanotubes fibers. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 116, n/a-n/a	2.9	6
146	Preparation and mechanical properties of exfoliated CoAl layered double hydroxide (LDH)/polyamide 6 nanocomposites by in situ polymerization. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 991-996	8.6	72
145	Morphology, thermal, and rheological behavior of nylon 11/multi-walled carbon nanotube nanocomposites prepared by melt compounding. <i>Polymer Engineering and Science</i> , <b>2009</b> , 49, 1063-1068	2.3	59

144	Star-like polyurethane hybrids with functional cubic silsesquioxanes: Preparation, morphology, and thermomechanical properties. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 4602-4616	2.5	37
143	Thermally stable red electroluminescent hybrid polymers derived from functionalized silsesquioxane and 4,7-bis(3-ethylhexyl-2-thienyl)-2,1,3-benzothiadiazole. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 5661-5670	2.5	10
142	Improving hydrophilicity, mechanical properties and biocompatibility of poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate] through blending with poly[(R)-3-hydroxybutyrate]-alt-poly(ethylene oxide). <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 2002-12	10.8	49
141	Effect of molecular orientation on mechanical property of single electrospun fiber of poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate]. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 13179-85	3.4	41
140	Self-assembly, optical, and mechanical properties of surfactant-directed biphenyl-bridged periodic mesostructured organosilica films with molecular-scale periodicity in the pore walls. <i>Langmuir</i> , <b>2009</b> , 25, 832-8	4	19
139	Photoactive perylene diimide-bridged silsesquioxane functionalized periodic mesoporous organosilica thin films (PMO-SBA15): synthesis, self-assembly, and photoluminescent and enhanced mechanical properties. <i>Langmuir</i> , <b>2009</b> , 25, 4743-50	4	32
138	Synthesis, Electronic, and Emission Spectroscopy, and Electrochromic Characterization of Azulene-Fluorene Conjugated Oligomers and Polymers. <i>Macromolecules</i> , <b>2009</b> , 42, 5534-5544	5.5	78
137	Hydrogen-Bond Directed Self-Organized Lamellar Nanostructured Benzene Bridged-Polysilsesquioxane Free-Standing Monolithic Structures via sol-gel Method. <i>Soft Materials</i> , <b>2009</b> , 7, 79-92	1.7	7
136	Polyhedral oligomeric silsesquioxanes tethered with perfluoroalkylthioether corner groups: Facile synthesis and enhancement of hydrophobicity of their polymer blends. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 4740		55
135	Micelle formation of amphiphilic polystyrene-b-poly(N-vinylpyrrolidone) diblock copolymer in methanol and water-methanol binary mixtures. <i>Langmuir</i> , <b>2009</b> , 25, 5557-64	4	24
134	Microdeformation and Fracture Mechanisms in Polyamide-6/Organoclay Nanocomposites. <i>Macromolecules</i> , <b>2008</b> , 41, 193-202	5.5	59
133	Self-assembly of brush-like poly[poly(ethylene glycol) methyl ether methacrylate] synthesized via aqueous atom transfer radical polymerization. <i>Langmuir</i> , <b>2008</b> , 24, 13279-86	4	66
132	Thermally Stable Blue-Light-Emitting Hybrid Organic-Inorganic Polymers Derived from Cyclotriphosphazene. <i>Macromolecules</i> , <b>2008</b> , 41, 9624-9636	5.5	36
131	Thermal- and pH-Responsive Degradable Polymers. <i>Macromolecules</i> , <b>2008</b> , 41, 18-20	5.5	45
130	Synthesis and characterisation of main-chain hydrogen-bonded supramolecular liquid crystalline complexes formed by azo-containing compounds. <i>Liquid Crystals</i> , <b>2008</b> , 35, 241-251	2.3	32
129	Self-assembly synthesis of mesoscopically ordered biphenyl-bridged organosilica films with molecular periodicity in the pore walls. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 6381-6	1.3	2
128	Preparation and Characterization of Polyurethane/Multiwalled Carbon Nanotube Composites. <i>Polymers and Polymer Composites</i> , <b>2008</b> , 16, 501-507	0.8	22
127	Octafunctional cubic silsesquioxane (CSSQ)/poly(methyl methacrylate) nanocomposites: Synthesis by atom transfer radical polymerization at mild conditions and the influence of CSSQ on nanocomposites. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 766-776	2.5	38

126	Hydrogen bond-directed self-assembly of peripherally modified cyclotriphosphazenes with a homeotropic liquid crystalline phase. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 4691-4703	2.5	28
125	Synthesis and self-assembly of poly(styrene)-b-poly(N-vinylpyrrolidone) amphiphilic diblock copolymers made via a combined ATRP and MADIX approach. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 5604-5615	2.5	51
124	Synthesis, morphology, and properties of hydroxyl terminated-POSS/polyimide low-k nanocomposite films. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 5887-5896	2.5	99
123	Synthesis and characterization of organic/inorganic hybrid star polymers of 2,2,3,4,4-hexafluorobutyl methacrylate and octa(aminophenyl)silsesquioxane nano-cage made via atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 7287-7298	2.5	41
122	The Effect of Nanofiller on the Thermomechanical Properties of Polyimide/Clay Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 643-650	2.6	16
121	Synthesis of Poly(glycidyl methacrylate)-block-Poly(pentafluorostyrene) by RAFT: Precursor to Novel Amphiphilic Poly(glycerol methacrylate)-block-Poly(pentafluorostyrene). <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 1902-1907	4.8	60
120	Photocurable epoxy/cubic silsesquioxane hybrid materials for polythiourethane: Failure mechanism of adhesion under weathering. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 108, 181-188	2.9	6
119	Non-covalent functionalization of multi walled carbon nanotubes and their application for conductive composites. <i>Carbon</i> , <b>2008</b> , 46, 829-831	10.4	29
118	Preparation, microstructure and thermal mechanical properties of epoxy/crude clay nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2007</b> , 38, 192-197	8.4	36
117	Effects of Ca on grain boundary cohesion in Au ballbonding wire. <i>Thin Solid Films</i> , <b>2006</b> , 504, 346-349	2.2	7
116	Nanoindentation and Morphological Studies of Epoxy Nanocomposites. <i>Macromolecular Materials and Engineering</i> , <b>2006</b> , 291, 1358-1366	3.9	64
115	Optical properties of electrospun nanofibers of conducting polymer-based blends. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 3997-4000	1.3	4
114	Absorption and Raman study for POSS-oligophenylene nanohybrid molecules. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 3882-7	1.3	5
113	Trimeric supramolecular liquid crystals induced by halogen bonds. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 3540		121
112	A Comparative Study on Luminescent Copolymers of Fluorene and Carbazole with Conjugated or $\pi$ - $\pi$ Interrupted Structures: Steric Effects. <i>Macromolecules</i> , <b>2006</b> , 39, 1397-1402	5.5	38
111	Nano-hybrid luminescent dot: synthesis, characterization and optical properties. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 829-836		44
110	Dynamic and static light scattering studies on self-aggregation behavior of biodegradable amphiphilic poly(ethylene oxide)-poly[(R)-3-hydroxybutyrate]-poly(ethylene oxide) triblock copolymers in aqueous solution. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 5920-6	3.4	71
109	Hyperbranched poly(amino ester)s with different terminal amine groups for DNA delivery. <i>Biomacromolecules</i> , <b>2006</b> , 7, 1879-83	6.9	76

108	Electrically Conductive Epoxy/Clay/Vapor Grown Carbon Fiber Hybrids. <i>Macromolecules</i> , <b>2006</b> , 39, 908-915	5.5	56
107	Morphology and Mechanical Properties of Epoxy/Alumina Nanocomposites. <i>Key Engineering Materials</i> , <b>2006</b> , 312, 233-236	0.4	7
106	Preparation, morphology and thermal/mechanical properties of epoxy/nanoclay composite. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2006</b> , 37, 1890-1896	8.4	175
105	PEI-g-chitosan, a novel gene delivery system with transfection efficiency comparable to polyethylenimine in vitro and after liver administration in vivo. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 152-8	6.3	233
104	Supramolecular assembled nanostructure containing cubic silsesquioxane in aqueous solution. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 3955-9	1.3	4
103	Hydrothermal effects on the thermomechanical properties of high performance epoxy/clay nanocomposites. <i>Polymer Engineering and Science</i> , <b>2006</b> , 46, 215-221	2.3	34
102	Crystallization behavior of star-shaped poly(ethylene oxide) with cubic silsesquioxane (CSSQ) core. <i>Polymer</i> , <b>2006</b> , 47, 5035-5043	3.9	40
101	Core-corona structure of cubic silsesquioxane-poly(ethylene oxide) in aqueous solution: fluorescence, light scattering, and TEM studies. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 9455-62	3.4	56
100	Synthesis and Self-Assembly of Donor-Spacer-Acceptor Molecules. Liquid Crystals Formed by Single-Component Complexes Via Intermolecular Hydrogen-Bonding Interaction. <i>Macromolecules</i> , <b>2005</b> , 38, 1684-1690	5.5	52
99	Synthesis and Self-Assembly of Difunctional Halogen-Bonding Molecules: A New Family of Supramolecular Liquid-Crystalline Polymers. <i>Macromolecules</i> , <b>2005</b> , 38, 3554-3557	5.5	84
98	Platinum nanoparticles from the hydrosilylation reaction: capping agents, physical characterizations, and electrochemical properties. <i>Langmuir</i> , <b>2005</b> , 21, 699-704	4	27
97	Blue Photoluminescence from Hyperbranched Poly(amino ester)s. <i>Macromolecules</i> , <b>2005</b> , 38, 9906-9909	5.5	138
96	Highly Efficient Blue-Light-Emitting Glass-Forming Molecules Based on Tetraarylmethane/Silane and Fluorene: Synthesis and Thermal, Optical, and Electrochemical Properties. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 434-441	9.6	84
95	Poly(ester urethane)s consisting of poly[(R)-3-hydroxybutyrate] and poly(ethylene glycol) as candidate biomaterials: characterization and mechanical property study. <i>Biomacromolecules</i> , <b>2005</b> , 6, 2740-7	6.9	95
94	Fracture behaviour of poly(ethylene terephthalate) fiber toughened epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2005</b> , 36, 1167-1173	8.4	20
93	Epoxy Nanocomposites with Highly Exfoliated Clay: Mechanical Properties and Fracture Mechanisms. <i>Macromolecules</i> , <b>2005</b> , 38, 788-800	5.5	470
92	Preparation of highly exfoliated epoxy/clay nanocomposites by "slurry compounding": process and mechanisms. <i>Langmuir</i> , <b>2005</b> , 21, 3613-8	4	125
91	Evaluation of hyperbranched poly(amino ester)s of amine constitutions similar to polyethylenimine for DNA delivery. <i>Biomacromolecules</i> , <b>2005</b> , 6, 3166-73	6.9	54

90	Hyperbranched Blue to Red Light-Emitting Polymers with Tetraarylsilyl Cores: Synthesis, Optical and Electroluminescence Properties, and ab Initio Modeling Studies. <i>Macromolecules</i> , <b>2005</b> , 38, 4157-4168	5.5	47
89	Synthesis of PtRu nanoparticles from the hydrosilylation reaction and application as catalyst for direct methanol fuel cell. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 16644-9	3.4	133
88	A DFT study of the amination of fullerenes and carbon nanotubes: reactivity and curvature. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 13755-60	3.4	68
87	2A2+ BBB Approach to Hyperbranched Poly(amino ester)s. <i>Macromolecules</i> , <b>2005</b> , 38, 5519-5525	5.5	67
86	Novel glassy tetra(N-alkyl-3-bromocarbazole-6-yl)silanes as building blocks for efficient and nonaggregating blue-light-emitting tetrahedral Materials. <i>Organic Letters</i> , <b>2005</b> , 7, 2829-32	6.2	50
85	Melt-Processable Poly(Etherimide) Nanocomposites From Natural Montmorillonite. <i>Materials Research Innovations</i> , <b>2005</b> , 9, 46-47	1.9	2
84	pH-Controllable cyclic threading/dethreading of polypseudorotaxane obtained from cyclodextrins and poly(amino ester). <i>Polymer</i> , <b>2005</b> , 46, 3355-3362	3.9	13
83	Organic/organic nanocomposites from cubic silsesquioxane epoxides: direct characterization of interphase, and thermomechanical properties. <i>Polymer</i> , <b>2005</b> , 46, 7018-7027	3.9	80
82	Synthesis of O,O'-dipalmitoyl chitosan and its amphiphilic properties and capability of cholesterol absorption. <i>Carbohydrate Polymers</i> , <b>2005</b> , 60, 229-233	10.3	22
81	Cubic silsesquioxane/polyimide nanocomposites with improved thermomechanical and dielectric properties. <i>Acta Materialia</i> , <b>2005</b> , 53, 2395-2404	8.4	54
80	Polyethylenimine-grafted multiwalled carbon nanotubes for secure noncovalent immobilization and efficient delivery of DNA. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4782-5	16.4	320
79	Morphology and Deformation Behaviour of a Liquid Crystalline Polymer Containing Laterally Attached Pentaphenyl Rods. <i>Macromolecular Chemistry and Physics</i> , <b>2005</b> , 206, 233-239	2.6	23
78	Poly(propylene)/Clay Nanocomposites Prepared by Reactive Compounding with an Epoxy Based Masterbatch. <i>Macromolecular Materials and Engineering</i> , <b>2005</b> , 290, 1029-1036	3.9	9
77	Fracture and toughening behavior of aramid fiber/epoxy composites. <i>Polymer Composites</i> , <b>2005</b> , 26, 333-342	3	9
76	Toward molecular auxetics: Main chain liquid crystalline polymers consisting of laterally attached para-quaterphenyls. <i>Physica Status Solidi (B): Basic Research</i> , <b>2005</b> , 242, 576-584	1.3	69
75	Morphology, thermal and mechanical properties of nylon 12/organoclay nanocomposites prepared by melt compounding. <i>Polymer International</i> , <b>2005</b> , 54, 456-464	3.3	105
74	Cholesterol-imprinted polymer receptor prepared by a hybrid imprinting method. <i>Polymer International</i> , <b>2005</b> , 54, 1268-1274	3.3	13
73	Octa(maleimido phenyl) silsesquioxane copolymers. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 2483-2494	3	42

72	Structures and properties of liquid-crystalline polymers based on laterally attached oligo-p-phenylenes. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 3394-3402	2.5	9
71	Synthesis of main-chain hydrogen-bonded supramolecular liquid crystalline complexes: The effects of spacer on thermal behavior of mesophase. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 4731-4743	2.5	20
70	Effect of heterocyclic based organoclays on the properties of polyimide-clay nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2005</b> , 5, 1148-57	1.3	11
69	Mechanical Properties and Fracture Performance of Nanoclay-reinforced Polypropylene Modified with Maleic Anhydride <b>2004</b> , 713-718		
68	Cholesteryl-grafted functional amphiphilic poly(N-isopropylacrylamide-co-N-hydroxymethylacrylamide): synthesis, temperature-sensitivity, self-assembly and encapsulation of a hydrophobic agent. <i>Biomaterials</i> , <b>2004</b> , 25, 2619-28	15.6	108
67	The effect of salt and pH on the phase-transition behaviors of temperature-sensitive copolymers based on N-isopropylacrylamide. <i>Biomaterials</i> , <b>2004</b> , 25, 5659-66	15.6	134
66	Curing Studies of Ladder-Like Poly(allylsilsesquioxane) and its copolymers by Differential Scanning Calorimetry. <i>Polymer Bulletin</i> , <b>2004</b> , 52, 251-258	2.4	2
65	Inclusion complex formation between $\beta$ -cyclodextrins and organic/inorganic star-shaped poly(ethylene glycol) from an octafunctional silsesquioxane core. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 1173-1180	2.6	25
64	Effects of clay on polymorphism of polypropylene in polypropylene/clay nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 1810-1816	2.6	54
63	Deformation mechanisms of nanoclay-reinforced maleic anhydride-modified polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 2759-2768	2.6	22
62	A processing-induced clay dispersion and its effect on the structure and properties of polyamide 6. <i>Polymer International</i> , <b>2004</b> , 53, 392-399	3.3	65
61	Crystallization and melting behavior of polyester/clay nanocomposites. <i>Polymer International</i> , <b>2004</b> , 53, 1282-1289	3.3	59
60	Preparation and thermomechanical properties of epoxy resins modified by octafunctional cubic silsesquioxane epoxides. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 3490-3503	2.5	85
59	Synthesis, characterization, and curing kinetics of novel ladder-like polysilsesquioxanes containing side-chain maleimide groups. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 4036-4046	2.5	19
58	Synthesis, optical, and electrochemical properties of conjugated oligomers derived from 4-bromo-4'-(n-butyl)-2,2'-biphenyl. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 1507-1510	2	11
57	Synthesis and optical properties of tetraphenylmethane-based tetrahedral fluorescent compounds and their water-soluble PEG-linked polymers. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 1593-1597	2	23
56	A water-soluble non-aggregating fluorescent octa-carboxylic acid derived from tetraphenylmethane: synthesis and optical properties. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 6173-6177	2	17
55	Formation and characterization of water-soluble platinum nanoparticles using a unique approach based on the hydrosilylation reaction. <i>Langmuir</i> , <b>2004</b> , 20, 5145-8	4	28

54	Hyperbranched Blue-Light-Emitting Alternating Copolymers of Tetrabromoarylmethane/Silane and 9,9-Dihexylfluorene-2,7-diboronic Acid. <i>Macromolecules</i> , <b>2004</b> , 37, 5965-5970	5.5	74
53	Ab Initio Investigation of the Structural and Electronic Properties of the Molecules and Crystals of Tetraphenyl Derivatives of Group IVA Elements. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 17361-17368 <sup>3-4</sup>		8
52	Thermomechanical properties of polyimide-epoxy nanocomposites from cubic silsesquioxane epoxides. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 2858		82
51	Highly efficient luminescent organic clusters with quantum dot-like properties. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 7792-3	16.4	80
50	Effects of Chemistries of Trifunctional Amines on Mechanisms of Michael Addition Polymerizations with Diacrylates. <i>Macromolecules</i> , <b>2004</b> , 37, 6763-6770	5.5	90
49	Morphology and fracture behavior of intercalated epoxy/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 94, 1236-1244	2.9	139
48	Synthesis, Characterization, and Polymerization Kinetics of Novel Ladder-Like Polysilsesquioxanes Containing Side-Chain Propyl Methacrylate Groups. <i>Macromolecular Chemistry and Physics</i> , <b>2003</b> , 204, 531-539	2.6	21
47	Thermal degradation behavior of polyamide 6/clay nanocomposites. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 81, 47-56	4.7	171
46	Morphology, thermal and mechanical behavior of polyamide 6/layered-silicate nanocomposites. <i>Composites Science and Technology</i> , <b>2003</b> , 63, 331-337	8.6	156
45	Characterization of permeability and sorption in Matrimid/C60 mixed matrix membranes. <i>Journal of Membrane Science</i> , <b>2003</b> , 211, 91-99	9.6	167
44	Permeability of polyimides derived from non-coplanar diamines and 4,4'-(hexafluoroisopropylidene)diphthalic anhydride. <i>Polymer</i> , <b>2003</b> , 44, 4715-4721	3.9	46
43	Polyimide/POSS nanocomposites: interfacial interaction, thermal properties and mechanical properties. <i>Polymer</i> , <b>2003</b> , 44, 4491-4499	3.9	314
42	Crystallization and Phase Behaviors of Multicomponent Supramolecular Complexes through Hydrogen-Bonding Association. <i>Macromolecules</i> , <b>2003</b> , 36, 5195-5200	5.5	19
41	Novel poly(amino ester)s obtained from Michael addition polymerizations of trifunctional amine monomers with diacrylates: safe and efficient DNA carriers. <i>Chemical Communications</i> , <b>2003</b> , 2630-1	5.8	62
40	Thermal degradation of electrical conductivity of polyacrylic acid doped polyaniline: effect of molecular weight of the dopants. <i>Synthetic Metals</i> , <b>2003</b> , 138, 429-440	3.6	84
39	Self-Assembly of a Hydrogen-Bonded Association Chain Liquid Crystalline Polymer (LCP). <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 85-88	2.6	13
38	Novel microencapsulated curing accelerator for prolonging shelf life of epoxy resin composition. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 85, 873-878	2.9	23
37	Micro- and nanomorphologies of isotactic polystyrene revealed by PLM, AFM, and TEM. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 86, 422-427	2.9	1

36	Synthesis and characterization of a novel polyorganosiloxane having a bigger sized tubular structure and its supramolecular clathrate. <i>Polymers for Advanced Technologies</i> , <b>2002</b> , 13, 188-195	3.2	1
35	Studies on the thermal stability of F- and non-F-containing ladder polyepoxysilsesquioxanes by TGA/TIR. <i>Thermochimica Acta</i> , <b>2002</b> , 381, 83-92	2.9	18
34	Low relative dielectric permittivities of polyimides and copolyimides derived from non-coplanar diamines and 4,4'-(hexafluoroisopropyl)diphthalic anhydride. <i>Plastics, Rubber and Composites</i> , <b>2002</b> , 31, 295-299	1.5	6
33	A unique spherical molecular host with D <sub>2d</sub> symmetry. A novel intramolecular kinetic equilibrium in metal ion complexation between two crown ethers. <i>Organic Letters</i> , <b>2002</b> , 4, 3911-4	6.2	3
32	Intermolecular Interaction in Multicomponent Supramolecular Complexes through Hydrogen-Bonding Association. <i>Macromolecules</i> , <b>2002</b> , 35, 8846-8851	5.5	17
31	Electrical conductivity of polyaniline/dodecylbenzene sulphonic acid complex: thermal degradation and its mechanism. <i>Synthetic Metals</i> , <b>2002</b> , 128, 167-178	3.6	110
30	Composites of multifunctional benzylaminofullerene with low-density polyethylene. <i>Polymer</i> , <b>2001</b> , 42, 5233-5237	3.9	23
29	Synthesis and characterization of a novel oligosiloxane containing alternative ladderlike structure via charge-transfer interaction. <i>Polymer International</i> , <b>2001</b> , 50, 643-650	3.3	4
28	Synthesis and structure of wholly aromatic liquid-crystalline polyesters containing meta- and ortholinkages. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 1242-1248	2.5	17
27	Synthesis and characterization of rigid-chain liquid-crystalline polymers containing laterally attached side rods. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 1288-1294	2.5	10
26	Synthesis, characterization, and thermal properties of ladderlike polyepoxysiloxanes. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 2215-2222	2.5	6
25	Synthesis and characterization of soluble polyimides derived from [1,1';4',1']terphenyl-2',5'-diol and biphenyl-2,5-diol. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 2998-3007	2.5	31
24	Synthesis and Characterization of Novel Alcohol-Soluble Ladderlike Poly(silsesquioxane)s Containing Side-Chain Hydroxy Groups. <i>Macromolecular Chemistry and Physics</i> , <b>2001</b> , 202, 1576-1580	2.6	30
23	Synthesis and mesomorphic properties of a novel ladder-like 1,4-phenylene-bridged liquid crystalline polysiloxane containing ester-based mesogenic side groups. <i>Liquid Crystals</i> , <b>2001</b> , 28, 35-43	2.3	5
22	Conducting blends of polyaniline and aromatic main-chain liquid crystalline polymer, XYDAR SRT-900. <i>Synthetic Metals</i> , <b>2001</b> , 123, 69-72	3.6	8
21	Synthesis and characterization of a metal chelate-bridged quasi-ladder main chain discotic liquid crystal polymer. <i>Liquid Crystals</i> , <b>2001</b> , 28, 477-481	2.3	4
20	Transmission Electron Microscopy Observations on Lamellar Melting of Cold-Crystallized Isotactic Polystyrene. <i>Macromolecules</i> , <b>2001</b> , 34, 4305-4307	5.5	37
19	Synthesis and characterization of a novel alcohol-soluble ladderlike polysilsesquioxane containing side-chain with amino terminal groups. <i>Reactive and Functional Polymers</i> , <b>2000</b> , 46, 175-184	4.6	16

18	Applications of environmental scanning electron microscopy to colloidal aggregation and film formation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2000</b> , 174, 37-53	5.1	59
17	Improvement of LPS-based command surfaces: effect of inserting a flexible disiloxane segment into the azo side chain on photo-driven response. <i>Liquid Crystals</i> , <b>2000</b> , 27, 1683-1689	2.3	8
16	Pretransitional behavior above the nematic-isotropic phase transition of an auxetic trimer liquid crystal. <i>Physical Review E</i> , <b>1999</b> , 60, 4980-2	2.4	11
15	Chirality in Some Liquid Crystalline Association Chain Polymers. <i>Molecular Crystals and Liquid Crystals</i> , <b>1999</b> , 332, 251-258		18
14	Structure of semirigid polyamides with bulky groups in backbone. <i>Journal of Applied Polymer Science</i> , <b>1999</b> , 72, 309-319	2.9	1
13	Synthesis and Characterization of Liquid Crystal Trimers Based on Laterally Attached Terphenyls. <i>Molecular Crystals and Liquid Crystals</i> , <b>1999</b> , 332, 243-250		7
12	Subsurface Formation of Amide in Polyethylene-co-Acrylic Acid Film: A Potentially Useful Reaction for Tethering Biomolecules to a Solid Support. <i>Macromolecules</i> , <b>1999</b> , 32, 2149-2155	5.5	21
11	Structure of a self-assembled hydrogen-bonded living main chain liquid crystalline polymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1998</b> , 36, 1617-1624	2.6	34
10	Small angle X-ray scattering analysis of crazing in rubber toughened polymers: Influence of particle deformation. <i>Polymer</i> , <b>1998</b> , 39, 659-667	3.9	18
9	In-Situ Deformation Studies of Rubber Toughened Poly(methyl methacrylate): Influence of Rubber Particle Concentration and Rubber Cross-Linking Density. <i>Macromolecules</i> , <b>1998</b> , 31, 158-164	5.5	39
8	Toward Negative Poisson Ratio Polymers through Molecular Design. <i>Macromolecules</i> , <b>1998</b> , 31, 3145-3147	5.5	130
7	Oriental susceptibility and elastic constants near the nematic-isotropic phase transition for trimers with terminal-lateral-lateral-terminal connections. <i>Physical Review E</i> , <b>1998</b> , 58, 2041-2046	2.4	7
6	Morphology of Core-Shell Polymer Latices during Drying. <i>Langmuir</i> , <b>1996</b> , 12, 6250-6256	4	23
5	In-situ deformation studies of rubber toughened PMMA: A SAXS analysis of the response of core-shell particles to deformation. <i>Macromolecular Symposia</i> , <b>1996</b> , 112, 115-122	0.8	4
4	Persistence lengths of aromatic polyamides: a computer simulation approach. <i>Macromolecular Theory and Simulations</i> , <b>1995</b> , 4, 289-304	1.5	12
3	Rigid rod polyamides based on 2,2',6,6'-tetrasubstituted biphenyls: Synthesis, characterization, and structures. <i>Journal of Applied Polymer Science</i> , <b>1994</b> , 53, 561-574	2.9	5
2	One-Step Synthesis of Oval Shaped Silica/Epoxy Nanocomposite: Process, Formation Mechanism and Properties		3
1	Recent Advances in Polyaniline-Based Thermoelectric Composites. <i>CCS Chemistry</i> , 2547-2560	7.2	3

