# Yoshiki Chujo

## List of Publications by Citations



| 768 | 23,217 | 70 | 108 |
|---|---|---|---|
| papers | citations | h-index | g-index |
| 805 | 25,208 | 4.3 | 7.51 |
| ext. papers | ext. citations | avg, IF | L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 768 | Synthesis of gold nanoparticles modified with ionic liquid based on the imidazolium cation. *Journal of the American Chemical Society*, **2004**, 126, 3026-7 | 16.4 | 506 |
| 767 | Advanced functional materials based on polyhedral oligomeric silsesquioxane (POSS). *Journal of Materials Chemistry*, **2012**, 22, 1733-1746 | | 387 |
| 766 | New Polymeric Materials Based on Element-Blocks. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 633-643 | 5.1 | 266 |
| 765 | Functionalization of boron diiminates with unique optical properties: multicolor tuning of crystallization-induced emission and introduction into the main chain of conjugated polymers. *Journal of the American Chemical Society*, **2014**, 136, 18131-9 | 16.4 | 262 |
| 764 | Control of Crystal Nucleation and Growth of Calcium Carbonate by Synthetic Substrates. *Chemistry of Materials*, **2001**, 13, 3245-3259 | 9.6 | 255 |
| 763 | Extension of π-Conjugation Length via the Vacant p-Orbital of the Boron Atom. Synthesis of Novel Electron Deficient π-Conjugated Systems by Hydroboration Polymerization and Their Blue Light Emission. *Journal of the American Chemical Society*, **1998**, 120, 5112-5113 | 16.4 | 250 |
| 762 | Solid-State Emission of the Anthracene-o-Carborane Dyad from the Twisted-Intramolecular Charge Transfer in the Crystalline State. *Angewandte Chemie - International Edition*, **2017**, 56, 254-259 | 16.4 | 235 |
| 761 | Planar chiral tetrasubstituted [2.2]paracyclophane: optical resolution and functionalization. *Journal of the American Chemical Society*, **2014**, 136, 3350-3 | 16.4 | 230 |
| 760 | Emission via Aggregation of Alternating Polymers with o-Carborane and p-Phenylene-ethynylene Sequences. *Macromolecules*, **2009**, 42, 1418-1420 | 5.5 | 218 |
| 759 | Reversible gelation of polyoxazoline by means of Diels-Alder reaction. *Macromolecules*, **1990**, 23, 2636-2641 | 5.5 | 215 |
| 758 | Organic polymer hybrids with silica gel formed by means of the sol-gel method **1992**, 11-29 | | 214 |
| 757 | o-Carborane-based anthracene: a variety of emission behaviors. *Angewandte Chemie - International Edition*, **2015**, 54, 5084-7 | 16.4 | 208 |
| 756 | Multicolor tuning of aggregation-induced emission through substituent variation of diphenyl-o-carborane. *Journal of Organic Chemistry*, **2011**, 76, 316-9 | 4.2 | 204 |
| 755 | Facile generation of a reactive palladium(II) enolate intermediate by the decarboxylation of palladium(II) .beta.-ketocarboxylate and its utilization in allylic acylation. *Journal of the American Chemical Society*, **1980**, 102, 6381-6384 | 16.4 | 194 |
| 754 | Advanced luminescent materials based on organoboron polymers. *Macromolecular Rapid Communications*, **2012**, 33, 1235-55 | 4.8 | 184 |
| 753 | Effect of Anionic Starburst Dendrimers on the Crystallization of CaCO3 in Aqueous Solution: Size Control of Spherical Vaterite Particles. *Langmuir*, **2002**, 18, 3655-3658 | 4 | 182 |
| 752 | Highly emissive boron ketoiminate derivatives as a new class of aggregation-induced emission fluorophores. *Chemistry - A European Journal*, **2013**, 19, 4506-12 | 4.8 | 167 |

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|---|---|---|---|
| 751 | Thermally Reversible IPN Organic–Inorganic Polymer Hybrids Utilizing the Diels–Alder Reaction. *Macromolecules*, **2000**, 33, 4343-4346 | 5.5 | 167 |
| 750 | π-Conjugated Organoboron Polymers via the Vacant p-Orbital of the Boron Atom. *Polymer Journal*, **2008**, 40, 77-89 | 2.7 | 163 |
| 749 | Mechanofluorochromic materials based on aggregation-induced emission-active boron ketoiminates: regulation of the direction of the emission color changes. *Chemistry - A European Journal*, **2015**, 21, 7231-7 | 4.8 | 153 |
| 748 | Through-space conjugated polymers based on cyclophanes. *Angewandte Chemie - International Edition*, **2006**, 45, 6430-7 | 16.4 | 146 |
| 747 | POSS Ionic Liquid. *Journal of the American Chemical Society*, **2010**, 132, 17649-51 | 16.4 | 143 |
| 746 | Boron diiminate with aggregation-induced emission and crystallization-induced emission-enhancement characteristics. *Chemistry - A European Journal*, **2014**, 20, 8320-4 | 4.8 | 133 |
| 745 | Organic–Inorganic Polymer Hybrids Using Polyoxazoline Initiated by Functionalized Silsesquioxane. *Macromolecules*, **2003**, 36, 867-875 | 5.5 | 133 |
| 744 | Poly(p-phenylene-borane)s. Novel Organoboron π-Conjugated Polymers via Grignard Reagent. *Journal of the American Chemical Society*, **1998**, 120, 10776-10777 | 16.4 | 126 |
| 743 | Recent progress of optical functional nanomaterials based on organoboron complexes with β-diketonate, ketoiminate and diiminate. *NPG Asia Materials*, **2015**, 7, e223-e223 | 10.3 | 125 |
| 742 | Highly luminescent BODIPY-based organoboron polymer exhibiting supramolecular self-assemble structure. *Journal of the American Chemical Society*, **2008**, 130, 15276-8 | 16.4 | 122 |
| 741 | Organic–inorganic polymer hybrids prepared by the sol-gel method. *Composite Interfaces*, **2005**, 11, 539-566 | 2.9 | 121 |
| 740 | Structure–property relationship of octa-substituted POSS in thermal and mechanical reinforcements of conventional polymers. *Journal of Polymer Science Part A*, **2009**, 47, 5690-5697 | 2.5 | 114 |
| 739 | Organic–inorganic hybrid materials. *Current Opinion in Solid State and Materials Science*, **1996**, 1, 806-811 | 12 | 114 |
| 738 | Synthesis of Novel Stable Nanometer-Sized Metal (M = Pd, Au, Pt) Colloids Protected by a π-Conjugated Polymer. *Langmuir*, **2002**, 18, 277-283 | 4 | 113 |
| 737 | Luminescent and Axially Chiral π-Conjugated Polymers Linked by Carboranes in the Main Chain. *Macromolecules*, **2009**, 42, 9238-9242 | 5.5 | 111 |
| 736 | Polyoxazoline having a coumarin moiety as a pendant group. Synthesis and photogelation. *Macromolecules*, **1990**, 23, 2693-2697 | 5.5 | 108 |
| 735 | π-Conjugated Organoboron Polymer as an Anion Sensor. *Polymer Journal*, **2002**, 34, 967-969 | 2.7 | 107 |
| 734 | Preparation of a novel core-shell nanostructured gold colloid-silk fibroin bioconjugate by the protein in situ redox technique at room temperature. *Chemical Communications*, **2001**, 2518-9 | 5.8 | 103 |

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|---|---|---|---|
| 733 | Development of Solid-State Emissive Materials Based on Multifunctional o-Carborane-Pyrene Dyads. *Organic Letters*, **2016**, 18, 4064-7 | 6.2 | 101 |
| 732 | Iron(II) bipyridyl-branched polyoxazoline complex as a thermally reversible hydrogel. *Macromolecules*, **1993**, 26, 6315-6319 | 5.5 | 100 |
| 731 | Recent progress in the development of advanced element-block materials. *Polymer Journal*, **2018**, 50, 109-126 | 2.7 | 94 |
| 730 | A carbonate controlled-addition method for amorphous calcium carbonate spheres stabilized by poly(acrylic acid)s. *Langmuir*, **2007**, 23, 12086-95 | 4 | 94 |
| 729 | The effect of an anionic starburst dendrimer on the crystallization of CaCO3 in aqueous solution. *Chemical Communications*, **1999**, 1931-1932 | 5.8 | 94 |
| 728 | Control of aggregation-induced emission versus fluorescence aggregation-caused quenching by bond existence at a single site in boron pyridinoiminate complexes. *Materials Chemistry Frontiers*, **2017**, 1, 1573-1579 | 7.8 | 92 |
| 727 | Synthesis of Polystyrene and Silica Gel Polymer Hybrids Utilizing Ionic Interactions. *Chemistry of Materials*, **1999**, 11, 1719-1726 | 9.6 | 92 |
| 726 | Luminescent m-Carborane-Based Conjugated Polymer. *Macromolecules*, **2009**, 42, 2925-2930 | 5.5 | 91 |
| 725 | Synthesis of Organic–Inorganic Polymer Hybrids Having Interpenetrating Polymer Network Structure by Formation of Ruthenium–Bipyridyl Complex. *Macromolecules*, **2002**, 35, 334-338 | 5.5 | 91 |
| 724 | Aromatic Ring-Fused BODIPY-Based Conjugated Polymers Exhibiting Narrow Near-Infrared Emission Bands. *Macromolecules*, **2010**, 43, 193-200 | 5.5 | 90 |
| 723 | Synthesis of triethoxysilyl-terminated polyoxazolines and their cohydrolysis polymerization with tetraethoxysilane. *Macromolecules*, **1993**, 26, 5681-5686 | 5.5 | 90 |
| 722 | Self-Organization of Spherical Aggregates of Palladium Nanoparticles with a Cubic Silsesquioxane. *Nano Letters*, **2002**, 2, 1183-1186 | 11.5 | 89 |
| 721 | Synthesis and Properties of First Well-Defined Phosphole-Containing Conjugated Polymers. *Macromolecules*, **2003**, 36, 2594-2597 | 5.5 | 86 |
| 720 | Poly(glutamic acid) Hydrogels with Water-Sensitive Luminescence Derived from Aggregation-Induced Emission of o-Carborane. *Macromolecules*, **2010**, 43, 6463-6468 | 5.5 | 85 |
| 719 | Synthesis of Novel Conjugated Polymers Having [2.2]Paracyclophane Skeleton in the Main Chain. Extension of Conjugated Length via the Through-Space. *Macromolecules*, **2002**, 35, 587-589 | 5.5 | 85 |
| 718 | Environment-responsive upconversion based on dendrimer-supported efficient triplet-triplet annihilation in aqueous media. *Chemical Communications*, **2010**, 46, 4378-80 | 5.8 | 84 |
| 717 | Highly intense fluorescent diarylboron diketonate. *Journal of Organic Chemistry*, **2008**, 73, 8605-7 | 4.2 | 82 |
| 716 | Synthesis of polystyrene and silica gel polymer hybrids via Interactions. *Chemical Communications*, **1998**, 1131-1132 | 5.8 | 81 |

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|---|---|---|---|
| 715 | Recent Progress in the Development of Solid-State Luminescent o-Carboranes with Stimuli Responsivity. *Angewandte Chemie - International Edition*, **2020**, 59, 9841-9855 | 16.4 | 81 |
| 714 | Optically active cyclic compounds based on planar chiral [2.2]paracyclophane: extension of the conjugated systems and chiroptical properties. *Journal of Materials Chemistry C*, **2015**, 3, 521-529 | 7.1 | 79 |
| 713 | 1,3-Diketone-Based Organoboron Polymers: Emission by Extending π-Conjugation along a Polymeric Ligand. *Macromolecules*, **2008**, 41, 8295-8298 | 5.5 | 78 |
| 712 | Water-soluble anionic POSS-core dendrimer: synthesis and copper(II) complexes in aqueous solution. *Langmuir*, **2007**, 23, 9057-63 | 4 | 78 |
| 711 | Cyclophane-containing polymers. *Progress in Polymer Science*, **2008**, 33, 346-364 | 29.6 | 77 |
| 710 | Enhancement of entrapping ability of dendrimers by a cubic silsesquioxane core. *Organic and Biomolecular Chemistry*, **2008**, 6, 3899-901 | 3.9 | 76 |
| 709 | Synthesis and redox gelation of disulfide-modified polyoxazoline. *Macromolecules*, **1993**, 26, 883-887 | 5.5 | 76 |
| 708 | Synthesis of Organic−Inorganic Polymer Hybrids Controlled by Diels−Alder Reaction. *Macromolecules*, **2004**, 37, 9793-9797 | 5.5 | 75 |
| 707 | Conjugated Polymers Based on Tautomeric Units: Regulation of Main-Chain Conjugation and Expression of Aggregation Induced Emission Property via Boron-Complexation. *Macromolecules*, **2014**, 47, 2268-2278 | 5.5 | 74 |
| 706 | Poly(methyl methacrylate) (PMMA)-based hybrid materials with reactive zirconium oxide nanocrystals. *Polymer Journal*, **2010**, 42, 58-65 | 2.7 | 74 |
| 705 | Cobalt(III) bipyridyl-branched polyoxazoline complex as a thermally and redox reversible hydrogel. *Macromolecules*, **1993**, 26, 6320-6323 | 5.5 | 74 |
| 704 | A Flexible, Fused, Azomethine-Boron Complex: Thermochromic Luminescence and Thermosalient Behavior in Structural Transitions between Crystalline Polymorphs. *Chemistry - A European Journal*, **2017**, 23, 11827-11833 | 4.8 | 73 |
| 703 | Role of solvent dielectric properties on charge transfer from PbS nanocrystals to molecules. *Nano Letters*, **2010**, 10, 318-23 | 11.5 | 73 |
| 702 | Polymer hybrids of functionalized silsesquioxanes and organic polymers utilizing the sol−gel reaction of tetramethoxysilane. *Polymer*, **2002**, 43, 1171-1175 | 3.9 | 72 |
| 701 | Synthesis and Properties of a Novel Through-Space Conjugated Polymer with [2.2]Paracyclophane and Ferrocene in the Main Chain. *Macromolecules*, **2003**, 36, 9319-9324 | 5.5 | 72 |
| 700 | Control of pore size of porous silica by means of pyrolysis of an organic−inorganic polymer hybrid. *Journal of the Chemical Society Chemical Communications*, **1994**, 635-636 | | 71 |
| 699 | Formation of stable vaterite with poly(acrylic acid) by the delayed addition method. *Langmuir*, **2006**, 22, 7760-7 | 4 | 70 |
| 698 | π-Conjugated Polymers Composed of BODIPY or Aza-BODIPY Derivatives Exhibiting High Electron Mobility and Low Threshold Voltage in Electron-Only Devices. *Macromolecules*, **2014**, 47, 2316-2323 | 5.5 | 69 |

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|---|---|---|---|
| 697 | Highly-efficient solid-state emissions of anthracene-o-carborane dyads with various substituents and their thermochromic luminescence properties. *Journal of Materials Chemistry C*, **2017**, 5, 10047-10054 | 7.1 | 69 |
| 696 | Synthesis and Properties of Novel Through-Space Conjugated Polymers Based on Poly(p-phenylenevinylene)s Having a [2.2]Paracyclophane Skeleton in the Main Chain. *Macromolecules*, **2002**, 35, 7872-7877 | 5.5 | 69 |
| 695 | Synthesis of Organoboron Quinoline-8-thiolate and Quinoline-8-selenolate Complexes and Their Incorporation into the Conjugated Polymer Main-Chain. *Macromolecules*, **2009**, 42, 2988-2993 | 5.5 | 68 |
| 694 | Luminescent Organoboron Conjugated Polymers. *Chemistry Letters*, **2010**, 39, 430-435 | 1.7 | 68 |
| 693 | A novel silane coupling agent. 1. Synthesis of trimethoxysilyl-terminated poly(N-acetylethylenimine). *Macromolecules*, **1989**, 22, 2040-2043 | 5.5 | 68 |
| 692 | Creative Synthesis of Organic–Inorganic Molecular Hybrid Materials. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 463-474 | 5.1 | 67 |
| 691 | A luminescent coordination polymer based on bisterpyridyl ligand containing o-carborane: two tunable emission modes. *Dalton Transactions*, **2011**, 40, 1919-23 | 4.3 | 67 |
| 690 | Efficient simultaneous emission from RGB-emitting organoboron dyes incorporated into organic–inorganic hybrids and preparation of white light-emitting materials. *Journal of Materials Chemistry C*, **2013**, 1, 4437 | 7.1 | 66 |
| 689 | Synthesis of silver dendritic nanostructures protected by tetrathiafulvalene. *Chemical Communications*, **2002**, 1300-1 | 5.8 | 66 |
| 688 | Synthesis of Organoboron Conjugated Polymers by Hydroboration Polymerization between Heteroaromatic Diynes and Mesitylborane and Their Light Emitting Properties. *Macromolecules*, **1999**, 32, 4467-4469 | 5.5 | 66 |
| 687 | Organic-inorganic polymer hybrids. *Makromolekulare Chemie Macromolecular Symposia*, **1992**, 64, 1-9 | | 66 |
| 686 | Through-space conjugated polymers consisting of [2.2]paracyclophane. *Polymer Chemistry*, **2011**, 2, 1249 | 4.9 | 65 |
| 685 | Synthesis of Optically Active, X-Shaped, Conjugated Compounds and Dendrimers Based on Planar Chiral [2.2]Paracyclophane, Leading to Highly Emissive Circularly Polarized Luminescence. *Chemistry - A European Journal*, **2016**, 22, 2291-8 | 4.8 | 65 |
| 684 | Metal-free synthesis of responsive polymers: Cloud point tuning by controlled "click" reaction. *Journal of Polymer Science Part A*, **2010**, 48, 1278-1286 | 2.5 | 64 |
| 683 | Spherical, Polyfunctional Molecules Using Poly(bromophenylsilsesquioxane)s as Nanoconstruction Sites. *Macromolecules*, **2005**, 38, 4655-4660 | 5.5 | 64 |
| 682 | Synthesis of poly(vinylene-arsine)s: alternating radical copolymerization of arsenic atomic biradical equivalent and phenylacetylene. *Journal of the American Chemical Society*, **2002**, 124, 6600-3 | 16.4 | 64 |
| 681 | Facile Modulation of Optical Properties of Diketonate-Containing Polymers by Regulating Complexation Ratios with Boron. *Macromolecules*, **2013**, 46, 2969-2975 | 5.5 | 63 |
| 680 | Monitoring of biological one-electron reduction by (19)F NMR using hypoxia selective activation of an (19)F-labeled indolequinone derivative. *Journal of the American Chemical Society*, **2009**, 131, 15982-3 | 16.4 | 63 |

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| 679 | Time-Resolved Dynamic Light Scattering Study on the Dynamics of Silica Gels during Gelation Process. *Macromolecules*, **2000**, 33, 900-905 | 5.5 | 63 |
| 678 | Tuning of Properties of POSS-Condensed Water-Soluble Network Polymers by Modulating the Cross-Linking Ratio between POSS. *Macromolecules*, **2009**, 42, 3489-3492 | 5.5 | 62 |
| 677 | Multi-modal 19F NMR probe using perfluorinated cubic silsesquioxane-coated silica nanoparticles for monitoring enzymatic activity. *Chemical Communications*, **2008**, 6176-8 | 5.8 | 61 |
| 676 | Nanoparticles via H-aggregation of amphiphilic BODIPY dyes. *Tetrahedron Letters*, **2010**, 51, 3451-3454 | 2 | 60 |
| 675 | Development of solid-state emissive o-carboranes and theoretical investigation of the mechanism of the aggregation-induced emission behaviors of organoboron "element-blocks". *Faraday Discussions*, **2017**, 196, 31-42 | 3.6 | 59 |
| 674 | Synthesis and Properties of Novel π-Conjugated Polymers with Alternating Organosilicon and [2.2]Paracyclophane Units in the Main Chain. *Organometallics*, **2003**, 22, 3553-3557 | 3.8 | 59 |
| 673 | Modulation of sensitivity to mechanical stimulus in mechanofluorochromic properties by altering substituent positions in solid-state emissive diiodo boron diiminates. *Journal of Materials Chemistry C*, **2016**, 4, 5314-5319 | 7.1 | 59 |
| 672 | A Highly Efficient Near-Infrared-Emissive Copolymer with a N=N Double-Bond π-Conjugated System Based on a Fused Azobenzene-Boron Complex. *Angewandte Chemie - International Edition*, **2018**, 57, 6546-6551 | 16.4 | 58 |
| 671 | Synthesis of Methyl-Substituted Main-Chain-Type Organoboron Quinolate Polymers and Their Emission Color Tuning. *Macromolecules*, **2008**, 41, 2809-2813 | 5.5 | 58 |
| 670 | Tetrathiafulvalene-Assisted Formation of Silver Dendritic Nanostructures in Acetonitrile. *Langmuir*, **2003**, 19, 6242-6246 | 4 | 58 |
| 669 | Temperature-Dependent Reversible Self-Assembly of Gold Nanoparticles into Spherical Aggregates by Molecular Recognition between Pyrenyl and Dinitrophenyl Units. *Langmuir*, **2003**, 19, 5496-5501 | 4 | 58 |
| 668 | New Preparation Methods for Organic–Inorganic Polymer Hybrids. *MRS Bulletin*, **2001**, 26, 389-392 | 3.2 | 58 |
| 667 | Synthesis of Poly(N,N-dimethylacrylamide)/Silica Gel Polymer Hybrids by in situ Polymerization Method. *Polymer Journal*, **1998**, 30, 60-65 | 2.7 | 58 |
| 666 | Concept of Excitation-Driven Boron Complexes and Their Applications for Functional Luminescent Materials. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 7-18 | 5.1 | 58 |
| 665 | Planar-chiral through-space conjugated oligomers: synthesis and characterization of chiroptical properties. *Chemistry - A European Journal*, **2014**, 20, 8386-90 | 4.8 | 57 |
| 664 | Preparation, Optical Spectroscopy, and Electrochemical Studies of Novel π-Conjugated Polymer-Protected Stable PbS Colloidal Nanoparticles in a Nonaqueous Solution. *Langmuir*, **2002**, 18, 5287-5292 | 4 | 57 |
| 663 | Solid-State Emission of the Anthracene-o-Carborane Dyad from the Twisted-Intramolecular Charge Transfer in the Crystalline State. *Angewandte Chemie*, **2017**, 129, 260-265 | 3.6 | 56 |
| 662 | Film-type chemosensors based on boron diiminate polymers having oxidation-induced emission properties. *Polymer Chemistry*, **2015**, 6, 5590-5595 | 4.9 | 56 |

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|---|---|---|---|
| 661 | Unique properties of amphiphilic POSS and their applications. *Polymer Journal*, **2013**, 45, 247-254 | 2.7 | 56 |
| 660 | Synthesis and properties of thiophene-fused benzocarborane. *Chemistry - A European Journal*, **2012**, 18, 11251-7 | 4.8 | 56 |
| 659 | Robust Polyaromatic Octasilsesquioxanes from Polybromophenylsilsesquioxanes, BrxOPS, via Suzuki Coupling. *Macromolecules*, **2005**, 38, 4661-4665 | 5.5 | 56 |
| 658 | Synthesis of anthracene-stacked oligomers and polymer. *Organic Letters*, **2010**, 12, 3188-91 | 6.2 | 55 |
| 657 | Novel [2.2]Paracyclophane–fluorene-Based Conjugated Copolymers: Synthesis, Optical, and Electrochemical Properties. *Macromolecules*, **2004**, 37, 4099-4103 | 5.5 | 55 |
| 656 | Liquid-crystalline organic–inorganic hybrid polymers with functionalized silsesquioxanes. *Journal of Polymer Science Part A*, **2001**, 39, 4035-4043 | 2.5 | 55 |
| 655 | Preparation and enzymic activity of poly[(N-acylimino)ethylene]-modified catalase. *Macromolecules*, **1990**, 23, 3201-3205 | 5.5 | 55 |
| 654 | Effective Light-Harvesting Antennae Based on BODIPY-Tethered Cardo Polyfluorenes via Rapid Energy Transferring and Low Concentration Quenching. *Macromolecules*, **2013**, 46, 2599-2605 | 5.5 | 54 |
| 653 | Effect of Gold Nanoparticles as a Support for the Oligomerization of l-Cysteine in an Aqueous Solution. *Langmuir*, **2003**, 19, 5546-5549 | 4 | 54 |
| 652 | Hydroboration polymerization. 1. Synthesis of organoboron polymers by polyaddition between diene and monoalkylborane. *Macromolecules*, **1991**, 24, 345-348 | 5.5 | 54 |
| 651 | Through-space conjugated polymers consisting of planar chiral pseudo-ortho-linked [2.2]paracyclophane. *Polymer Chemistry*, **2012**, 3, 2727 | 4.9 | 53 |
| 650 | Preparation for highly sensitive MRI contrast agents using core/shell type nanoparticles consisting of multiple SPIO cores with thin silica coating. *Langmuir*, **2010**, 26, 11759-62 | 4 | 53 |
| 649 | Synthesis and Photostability of Poly(p-phenylenevinylene-borane)s. *Macromolecules*, **2009**, 42, 7217-7220 | 5.5 | 53 |
| 648 | o-Carborane-Based Anthracene: A Variety of Emission Behaviors. *Angewandte Chemie*, **2015**, 127, 5173-5176 | 3.6 | 52 |
| 647 | Functional polymers based on electron-donating TTF and derivatives. *Journal of Materials Chemistry* , **2007**, 17, 4122 | | 52 |
| 646 | Organic–inorganic hybrid gels having functionalized silsesquioxanes. *Journal of Materials Chemistry*, **2003**, 13, 1384-1391 | | 52 |
| 645 | Hydrocarbon separation via porous glass membranes surface-modified using organosilane compounds. *Journal of Membrane Science*, **2001**, 182, 139-149 | 9.6 | 52 |
| 644 | Photogelation and redox properties of anthracene-disulfide-modified polyoxazolines. *Macromolecules*, **1993**, 26, 5611-5614 | 5.5 | 52 |

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|---|---|---|---|
| 643 | Hydroboration polymerization of dicyano compounds. 1. Synthesis of boron-containing polymers by the reaction between t-BuBH2.cntdot.NMe3 and dicyano compounds. *Macromolecules*, **1992**, 25, 27-32 | 5.5 | 52 |
| 642 | Synthesis of nonionic hydrogel, lipogel, and amphigel by copolymerization of 2-oxazolines and a bisoxazoline. *Macromolecules*, **1990**, 23, 1234-1237 | 5.5 | 52 |
| 641 | Boron-ketoiminate-based polymers: fine-tuning of the emission color and expression of strong emission both in the solution and film States. *Macromolecular Rapid Communications*, **2014**, 35, 1315-9 | 4.8 | 51 |
| 640 | Synthesis of Stacked Polymers on the Basis of [2.2]Paracyclophane. *Bulletin of the Chemical Society of Japan*, **2009**, 82, 1070-1082 | 5.1 | 51 |
| 639 | Colour-tunable aggregation-induced emission of trifunctional o-carborane dyes. *New Journal of Chemistry*, **2014**, 38, 5686-5690 | 3.6 | 50 |
| 638 | Facile control of silica shell layer thickness on hydrophilic iron oxide nanoparticles via reverse micelle method. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 336, 46-56 | 5.1 | 50 |
| 637 | Side-chain effect of octa-substituted POSS fillers on refraction in polymer composites. *Journal of Polymer Science Part A*, **2010**, 48, 5712-5717 | 2.5 | 50 |
| 636 | Main-Chain-Type Organoboron Quinolate Polymers: Synthesis and Photoluminescence Properties. *Macromolecules*, **2007**, 40, 6-8 | 5.5 | 50 |
| 635 | Oxygen-Bridged Diphenylnaphthylamine as a Scaffold for Full-Color Circularly Polarized Luminescent Materials. *Journal of Organic Chemistry*, **2017**, 82, 5242-5249 | 4.2 | 49 |
| 634 | Synthesis of sulfonic acid-containing POSS and its filler effects for enhancing thermal stabilities and lowering melting temperatures of ionic liquids. *Journal of Materials Chemistry A*, **2014**, 2, 624-630 | 13 | 49 |
| 633 | Luminescence Color Tuning from Blue to Near Infrared of Stable Luminescent Solid Materials Based on Bis-o-Carborane-Substituted Oligoacenes. *Chemistry - an Asian Journal*, **2017**, 12, 2134-2138 | 4.5 | 49 |
| 632 | Synthesis of Novel Alternating Conjugated Copolymers Having [2.2]Paracyclophane and Fluorene Units in the Main Chain Leading to the Blue Light-Emitting Materials. *Chemistry Letters*, **2002**, 31, 194-195 | 1.7 | 49 |
| 631 | Preparation of conjugated polymer-protected gold nanoparticles in stable colloidal form. *Chemical Communications*, **2001**, 613-614 | 5.8 | 49 |
| 630 | Chemicals-Inspired Biomaterials: Developing Biomaterials Inspired by Material Science Based on POSS. *Bulletin of the Chemical Society of Japan*, **2013**, 86, 1231-1239 | 5.1 | 48 |
| 629 | Thermodynamic study of POSS-based ionic liquids with various numbers of ion pairs. *Polymer Journal*, **2011**, 43, 708-713 | 2.7 | 48 |
| 628 | Main-Chain-Type N,N?-Chelate Organoboron Aminoquinolate Polymers: Synthesis, Luminescence, and Energy Transfer Behavior. *Macromolecules*, **2008**, 41, 3488-3492 | 5.5 | 48 |
| 627 | Biomedical applications of imidazolium cation-modified iron oxide nanoparticles. *Polymers for Advanced Technologies*, **2008**, 19, 1421-1429 | 3.2 | 48 |
| 626 | A Polymer with Two Different Redox Centers in the Conjugated Main Chain: Alternate Combinations of Ferrocene and Dithiafulvene. *Macromolecules*, **2000**, 33, 6965-6969 | 5.5 | 48 |

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|---|---|---|---|
| 625 | Enhancement and Controlling the Signal of Circularly Polarized Luminescence Based on a Planar Chiral Tetrasubstituted [2.2]Paracyclophane Framework in Aggregation System. *Macromolecules*, **2017**, 50, 1790-1802 | 5.5 | 47 |
| 624 | Modulation of luminescence chromic behaviors and environment-responsive intensity changes by substituents in bis-o-carborane-substituted conjugated molecules. *Materials Chemistry Frontiers*, **2018**, 2, 573-579 | 7.8 | 47 |
| 623 | Heat-Resistant Mechanoluminescent Chromism of the Hybrid Molecule Based on Boron Ketoiminate Modified Octasubstituted Polyhedral Oligomeric Silsesquioxane. *Chemistry - A European Journal*, **2017**, 23, 1409-1414 | 4.8 | 47 |
| 622 | Synthesis and Properties of [2.2]Paracyclophane-Layered Polymers. *Macromolecules*, **2008**, 41, 5960-5963 | 5.5 | 47 |
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