List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Band-like Transport of Charge Carriers in Oriented Two-Dimensional Conjugated Covalent Organic Frameworks. Chemistry of Materials, 2022, 34, 736-745.	6.7	30
2	Highly Efficient and Stable Blue Organic Lightâ€Emitting Diodes based on Thermally Activated Delayed Fluorophor with Donorâ€Voidâ€Acceptor Motif. Advanced Science, 2022, 9, e2106018.	11.2	40
3	Comprehensive understanding of multiple resonance thermally activated delayed fluorescence through quantum chemistry calculations. Communications Chemistry, 2022, 5, .	4.5	33
4	A multifunctional hole-transporter for high-performance TADF OLEDs and clarification of factors governing the transport property by multiscale simulation. Journal of Materials Chemistry C, 2022, 10, 8694-8701.	5.5	15
5	Correlated Triplet Pair Formation Activated by Geometry Relaxation in Directly Linked Tetracene Dimer (5,5′-Bitetracene). ACS Omega, 2021, 6, 2638-2643.	3.5	3
6	Thiopheneâ€Fused Naphthodiphospholes: Modulation of the Structural and Electronic Properties of Polycyclic Aromatics by Precise Fusion of Heteroles. ChemPlusChem, 2021, 86, 130-136.	2.8	2
7	Comprehensive study on operational lifetime of organic light-emitting diodes: effects of molecular structure and energy transfer. Japanese Journal of Applied Physics, 2021, 60, 040902.	1.5	2
8	Efficient Direct Reverse Intersystem Crossing between Charge Transferâ€īype Singlet and Triplet States in a Purely Organic Molecule. ChemPhysChem, 2021, 22, 625-632.	2.1	14
9	Exploring the capability of mayenite (12CaO·7Al2O3) as hydrogen storage material. Scientific Reports, 2021, 11, 6278.	3.3	4
10	Acceleration of Reverse Intersystem Crossing using Different Types of Charge Transfer States. Chemistry - an Asian Journal, 2021, 16, 1073-1076.	3.3	6
11	Molecular Vibration Accelerates Charge Transfer Emission in a Highly Twisted Blue Thermally Activated Delayed Fluorescence Material. Journal of Physical Chemistry A, 2021, 125, 4534-4539.	2.5	11
12	Efficient Direct Reverse Intersystem Crossing between Charge Transferâ€īype Singlet and Triplet States in a Purely Organic Molecule. ChemPhysChem, 2021, 22, 621-621.	2.1	0
13	Synthesis and Characterization of 5,5 $\hat{a}$ € <sup>2</sup> -Bitetracene. Chemistry Letters, 2021, 50, 800-803.	1.3	1
14	25â€1: <i>Invited Paper:</i> Multiscale Charge Transport Simulation and <i>in silico</i> Material Design for Highlyâ€Efficient OLEDs. Digest of Technical Papers SID International Symposium, 2021, 52, 308-311.	0.3	1
15	Manipulation of Charge-Transfer States by Molecular Design: Perspective from "Dynamic Exciton― Accounts of Materials Research, 2021, 2, 501-514.	11.7	42
16	Efficient blue thermally activated delayed fluorescence emitters showing very fast reverse intersystem crossing. Applied Physics Express, 2021, 14, 071003.	2.4	21
17	Multichromophore Molecular Design for Thermally Activated Delayed-Fluorescence Emitters with Near-Unity Photoluminescence Quantum Yields. Journal of Organic Chemistry, 2021, 86, 11531-11544.	3.2	5
18	Exact Solution of Kinetic Analysis for Thermally Activated Delayed Fluorescence Materials. Journal of Physical Chemistry A, 2021, 125, 8074-8089.	2.5	47

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19	Theoretical Determination of Rate Constants from Excited States: Application to Benzophenone. Journal of Physical Chemistry A, 2021, 125, 9000-9010.	2.5	15
20	Near-Unity Singlet Fission on a Quantum Dot Initiated by Resonant Energy Transfer. Journal of the American Chemical Society, 2021, 143, 17388-17394.	13.7	10
21	<i>N</i> -Adamantylphthalimide-based Thermally Activated Delayed Fluorescence Emitter for Solution-processed Organic Light-emitting Diodes. Chemistry Letters, 2021, 50, 1953-1955.	1.3	0
22	Effect of a twin-emitter design strategy on a previously reported thermally activated delayed fluorescence organic light-emitting diode. Beilstein Journal of Organic Chemistry, 2021, 17, 2894-2905.	2.2	1
23	Tris(triazolo)triazine-based emitters for solution-processed blue thermally activated delayed fluorescence organic light-emitting diodes. Materials Advances, 2020, 1, 2862-2871.	5.4	11
24	Organic light emitters exhibiting very fast reverse intersystem crossing. Nature Photonics, 2020, 14, 643-649.	31.4	344
25	Conformation Control of Iminodibenzyl-Based Thermally Activated Delayed Fluorescence Material by Tilted Face-to-Face Alignment With Optimal Distance (tFFO) Design. Frontiers in Chemistry, 2020, 8, 530.	3.6	7
26	Visual Understanding of Vibronic Coupling and Quantitative Rate Expression for Singlet Fission in Molecular Aggregates. Bulletin of the Chemical Society of Japan, 2020, 93, 1305-1313.	3.2	2
27	Lamellar Structure in Alanine–Glycine Copolypeptides Studied by Solid-State NMR Spectroscopy: A Model for the Crystalline Domain of <i>Bombyx mori</i> Silk Fibroin in Silk II Form. Biomacromolecules, 2020, 21, 3102-3111.	5.4	19
28	ldentification of Prime Factors to Maximize the Photocatalytic Hydrogen Evolution of Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 9752-9762.	13.7	94
29	Thermally Activated Delayed Fluorescence Benzyl Cellulose Derivatives for Nondoped Organic Light-Emitting Diodes. Macromolecules, 2020, 53, 2864-2873.	4.8	18
30	Effect of Vibronic Coupling on Correlated Triplet Pair Formation in the Singlet Fission Process of Linked Tetracene Dimers. Journal of Physical Chemistry A, 2020, 124, 3641-3651.	2.5	18
31	Improving NIR sensor detectivity of BODIPY/C60 bulk heterojunction photodiode. Japanese Journal of Applied Physics, 2020, 59, SGGG04.	1.5	2
32	Ambient-dried highly flexible copolymer aerogels and their nanocomposites with polypyrrole for thermal insulation, separation, and pressure sensing. Polymer Chemistry, 2019, 10, 4980-4990.	3.9	21
33	Noise Reduction in Solid-State NMR Spectra Using Principal Component Analysis. Journal of Physical Chemistry A, 2019, 123, 10333-10338.	2.5	24
34	Thermally Activated Delayed Fluorescent Materials Combining Intra- and Intermolecular Charge Transfers. ACS Applied Materials & Interfaces, 2019, 11, 7192-7198.	8.0	44
35	Impact of the position of the imine linker on the optoelectronic performance of π-conjugated organic frameworks. Molecular Systems Design and Engineering, 2019, 4, 325-331.	3.4	18
36	The effect of gas emission on the strength of composite products derived using alkali-activated municipal solid waste incineration fly ash/pyrophyllite-based systems. Chemosphere, 2019, 228, 513-520.	8.2	6

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37	Synthesis and characterization of cyclic P3HT as a donor polymer for organic solar cells. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 266-271.	2.1	3
38	Unveiling the Role of Langevin and Trap-Assisted Recombination in Long Lifespan OLEDs Employing Thermally Activated Delayed Fluorophores. ACS Applied Materials & Interfaces, 2019, 11, 1096-1108.	8.0	47
39	In silico Discovery of Emitters and Charge Transporters for Organic Light-Emitting Diodes. , 2019, , .		0
40	Observation of spontaneous orientation polarization in evaporated films of organic light-emitting diode materials. Organic Electronics, 2018, 58, 313-317.	2.6	50
41	Versatile Indolocarbazoleâ€Isomer Derivatives as Highly Emissive Emitters and Ideal Hosts for Thermally Activated Delayed Fluorescent OLEDs with Alleviated Efficiency Rollâ€Off. Advanced Materials, 2018, 30, 1705406.	21.0	217
42	Transparent, Superflexible Doubly Cross-Linked Polyvinylpolymethylsiloxane Aerogel Superinsulators via Ambient Pressure Drying. ACS Nano, 2018, 12, 521-532.	14.6	211
43	Adamantyl Substitution Strategy for Realizing Solutionâ€Processable Thermally Stable Deepâ€Blue Thermally Activated Delayed Fluorescence Materials. Advanced Materials, 2018, 30, 1705641.	21.0	196
44	Effects of Structural and Energetic Disorders on Charge Transports in Crystal and Amorphous Organic Layers. Scientific Reports, 2018, 8, 5203.	3.3	21
45	Versatile Double-Cross-Linking Approach to Transparent, Machinable, Supercompressible, Highly Bendable Aerogel Thermal Superinsulators. Chemistry of Materials, 2018, 30, 2759-2770.	6.7	130
46	Kinetics of "Melting―of Sucrose Crystals. Crystal Growth and Design, 2018, 18, 2602-2608.	3.0	10
47	Dipole Moment in the Excited State: An Important Property for TADF Hosts. CheM, 2018, 4, 2018-2019.	11.7	4
48	Parameter-Free Multiscale Simulation Realising Quantitative Prediction of Hole and Electron Mobilities in Organic Amorphous System with Multiple Frontier Orbitals. Scientific Reports, 2018, 8, 13462.	3.3	21
49	Carbazole and Benzophenone Based Twisted Donor–Acceptor Systems as Solution Processable Green Thermally Activated Delayed Fluorescence Organic Light Emitters. Chemistry Letters, 2018, 47, 1236-1239.	1.3	1
50	Superheated Melting Kinetics of Metastable Chain-Folded Polymer Crystals. Crystal Growth and Design, 2018, 18, 3637-3643.	3.0	11
51	Superflexible Multifunctional Polyvinylpolydimethylsiloxaneâ€Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. Angewandte Chemie, 2018, 130, 9870-9875.	2.0	16
52	Superflexible Multifunctional Polyvinylpolydimethylsiloxaneâ€Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. Angewandte Chemie - International Edition, 2018, 57, 9722-9727.	13.8	108
53	Ultrahigh Power Efficiency Thermally Activated Delayed Fluorescent OLEDs by the Strategic Use of Electronâ€Transport Materials. Advanced Optical Materials, 2018, 6, 1800376.	7.3	28
54	Low-density, transparent aerogels and xerogels based on hexylene-bridged polysilsesquioxane with bendability. Journal of Sol-Gel Science and Technology, 2017, 81, 42-51.	2.4	32

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55	"114â€â€Type Nitrides LnAl(Si <sub>4â^'<i>x</i></sub> Al <sub><i>x</i></sub> )N <sub>7</sub> O <sub><i>î^</i></sub> with Unusual [AlN <sub>6</sub> ] Octahedral Coordination. Angewandte Chemie - International Edition, 2017, 56, 3886-3891.	13.8	1
56	Highly Flexible Hybrid Polymer Aerogels and Xerogels Based on Resorcinol-Formaldehyde with Enhanced Elastic Stiffness and Recoverability: Insights into the Origin of Their Mechanical Properties. Chemistry of Materials, 2017, 29, 2122-2134.	6.7	76
57	Combined Inter―and Intramolecular Chargeâ€Transfer Processes for Highly Efficient Fluorescent Organic Lightâ€Emitting Diodes with Reduced Triplet Exciton Quenching. Advanced Materials, 2017, 29, 1606448.	21.0	131
58	Refined Crystal Structure of <i>Samia cynthia ricini</i> Silk Fibroin Revealed by Solid-State NMR Investigations. Biomacromolecules, 2017, 18, 1965-1974.	5.4	27
59	Transparent Ethenylene-Bridged Polymethylsiloxane Aerogels: Mechanical Flexibility and Strength and Availability for Addition Reaction. Langmuir, 2017, 33, 4543-4550.	3.5	43
60	Increasing the horizontal orientation of transition dipole moments in solution processed small molecular emitters. Journal of Materials Chemistry C, 2017, 5, 6555-6562.	5.5	22
61	Blue organic light-emitting diodes realizing external quantum efficiency over 25% using thermally activated delayed fluorescence emitters. Scientific Reports, 2017, 7, 284.	3.3	88
62	Fabrication of hydrophobic polymethylsilsesquioxane aerogels by a surfactant-free method using alkoxysilane with ionic group. Journal of Asian Ceramic Societies, 2017, 5, 104-108.	2.3	10
63	Grafted Polymethylhydrosiloxane on Hierarchically Porous Silica Monoliths: A New Path to Monolith-Supported Palladium Nanoparticles for Continuous Flow Catalysis Applications. ACS Applied Materials & Interfaces, 2017, 9, 406-412.	8.0	46
64	Aerogels from Chloromethyltrimethoxysilane and Their Functionalizations. Langmuir, 2017, 33, 13841-13848.	3.5	4
65	Analysis of Molecular Orientation in Organic Semiconducting Thin Films Using Static Dynamic Nuclear Polarization Enhanced Solidâ€State NMR Spectroscopy. Angewandte Chemie, 2017, 129, 15038-15042.	2.0	1
66	Analysis of Molecular Orientation in Organic Semiconducting Thin Films Using Static Dynamic Nuclear Polarization Enhanced Solidâ€5tate NMR Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 14842-14846.	13.8	14
67	Solutionâ€processable thermally activated delayed fluorescence emitters for application in organic light emitting diodes. Journal of the Society for Information Display, 2017, 25, 480-485.	2.1	8
68	Gram-Scale Syntheses and Conductivities of [10]Cycloparaphenylene and Its Tetraalkoxy Derivatives. Journal of the American Chemical Society, 2017, 139, 18480-18483.	13.7	87
69	Thermally Activated Delayed Fluorescence Emitter with a Symmetric Acceptor-Donor-Acceptor Structure. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 475-481.	0.3	9
70	Organic Electroluminescent Materials Realizing Efficient Conversion from Electricity to Light. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2016, 29, 305-310.	0.3	5
71	Detailed analysis of charge transport in amorphous organic thin layer by multiscale simulation without any adjustable parameters. Scientific Reports, 2016, 6, 39128.	3.3	29
72	Boehmite Nanofiber–Polymethylsilsesquioxane Core–Shell Porous Monoliths for a Thermal Insulator under Low Vacuum Conditions. Chemistry of Materials, 2016, 28, 3237-3240.	6.7	25

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73	Transparent, Highly Insulating Polyethyl- and Polyvinylsilsesquioxane Aerogels: Mechanical Improvements by Vulcanization for Ambient Pressure Drying. Chemistry of Materials, 2016, 28, 6860-6868.	6.7	96
74	Transparent Ethylene-Bridged Polymethylsiloxane Aerogels and Xerogels with Improved Bending Flexibility. Langmuir, 2016, 32, 13427-13434.	3.5	49
75	The Influence of Quasiplanar Structures of Partially Oxygen-Bridged Triphenylamine Dimers on the Properties of Their Bulk Films. Bulletin of the Chemical Society of Japan, 2016, 89, 726-732.	3.2	13
76	Dynamic spring-back behavior in evaporative drying of polymethylsilsesquioxane monolithic gels for low-density transparent thermal superinsulators. Journal of Non-Crystalline Solids, 2016, 434, 115-119.	3.1	41
77	Highly efficient solution-processed host-free organic light-emitting diodes showing an external quantum efficiency of nearly 18% with a thermally activated delayed fluorescence emitter. Applied Physics Express, 2016, 9, 032102.	2.4	32
78	Highly efficient electroluminescence from a solution-processable thermally activated delayed fluorescence emitter. Applied Physics Letters, 2015, 107, .	3.3	75
79	Material degradation of liquid organic semiconductors analyzed by nuclear magnetic resonance spectroscopy. AIP Advances, 2015, 5, 087124.	1.3	7
80	Triarylboronâ€Based Fluorescent Organic Lightâ€Emitting Diodes with External Quantum Efficiencies Exceeding 20 %. Angewandte Chemie - International Edition, 2015, 54, 15231-15235.	13.8	285
81	[Paper] Meta-linking Strategy for Thermally Activated Delayed Fluorescence Emitters with a Small Singlet-Triplet Energy Gap. ITE Transactions on Media Technology and Applications, 2015, 3, 108-113.	0.5	21
82	Living Radical Polymerizations Using Sodium Iodide and Potassium Iodide as Catalysts. ACS Symposium Series, 2015, , 171-182.	0.5	4
83	Distribution ratio of carbon black in polyisobutyrene/polyisoprene rubber blends using high-resolution solid-state 13C NMR. Polymer Journal, 2015, 47, 422-427.	2.7	3
84	Controlled emission colors and singlet–triplet energy gaps of dihydrophenazine-based thermally activated delayed fluorescence emitters. Journal of Materials Chemistry C, 2015, 3, 2175-2181.	5.5	147
85	Intermolecular Packing in <i>B. mori</i> Silk Fibroin: Multinuclear NMR Study of the Model Peptide (Ala-Gly) <sub>15</sub> Defines a Heterogeneous Antiparallel Antipolar Mode of Assembly in the Silk II Form. Macromolecules, 2015, 48, 28-36.	4.8	43
86	Strategy for Designing Electron Donors for Thermally Activated Delayed Fluorescence Emitters. Journal of Physical Chemistry C, 2015, 119, 1291-1297.	3.1	137
87	Enhanced Electroluminescence from a Thermally Activated Delayed-Fluorescence Emitter by Suppressing Nonradiative Decay. Physical Review Applied, 2015, 3, .	3.8	81
88	Highly efficient electroluminescence from purely organic donor–acceptor systems. Pure and Applied Chemistry, 2015, 87, 627-638.	1.9	45
89	Photocontrolled Organocatalyzed Living Radical Polymerization Feasible over a Wide Range of Wavelengths. Journal of the American Chemical Society, 2015, 137, 5610-5617.	13.7	220
90	Multiscale simulation of charge transport in a host material, N,N′-dicarbazole-3,5-benzene (mCP), for organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 5549-5555.	5.5	23

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91	Highly Efficient Thermally Activated Delayed Fluorescence Emitters with a Small Singlet–Triplet Energy Gap and Large Oscillator Strength. Chemistry Letters, 2015, 44, 360-362.	1.3	57
92	Organic light-emitting diodes: multiscale charge transport simulation and fabrication of new thermally activated delayed fluorescence (TADF) materials. , 2015, , .		0
93	Highly Efficient Blue Electroluminescence Using Delayed-Fluorescence Emitters with Large Overlap Density between Luminescent and Ground States. Journal of Physical Chemistry C, 2015, 119, 26283-26289.	3.1	116
94	Purely organic electroluminescent material realizing 100% conversion from electricity to light. Nature Communications, 2015, 6, 8476.	12.8	799
95	A light-emitting mechanism for organic light-emitting diodes: molecular design for inverted singlet–triplet structure and symmetry-controlled thermally activated delayed fluorescence. Journal of Materials Chemistry C, 2015, 3, 870-878.	5.5	51
96	Difference in the structures of alanine tri―and tetraâ€peptides with antiparallel βâ€sheet assessed by Xâ€ray diffraction, solidâ€state NMR and chemical shift calculations by GIPAW. Biopolymers, 2014, 101, 13-20.	2.4	24
97	Degradation of blue phosphorescent organic LEDs analyzed by solution NMR spectroscopy. Proceedings of SPIE, 2014, , .	0.8	0
98	Living Radical Polymerization via Organic Superbase Catalysis. Polymers, 2014, 6, 860-872.	4.5	31
99	Macromolecular Architectures Designed by Living Radical Polymerization with Organic Catalysts. Polymers, 2014, 6, 311-326.	4.5	26
100	Clarification of isomeric structures and the effect of intermolecular interactions in blue-emitting aluminum complex Alq3 using first-principles 27Al NMR calculations. Chemical Physics Letters, 2014, 605-606, 1-4.	2.6	5
101	Onâ€Top Ï€â€Stacking of Quasiplanar Molecules in Holeâ€Transporting Materials: Inducing Anisotropic Carrier Mobility in Amorphous Films. Angewandte Chemie - International Edition, 2014, 53, 5800-5804.	13.8	87
102	Systematic Study on Alkyl Iodide Initiators in Living Radical Polymerization with Organic Catalysts. Macromolecules, 2014, 47, 6610-6618.	4.8	55
103	Relationship between room temperature phosphorescence and deuteration position in a purely aromatic compound. Chemical Physics Letters, 2014, 591, 119-125.	2.6	36
104	Enhancement of fluorescence in anthracene by chlorination: Vibronic coupling and transition dipole moment density analysis. Chemical Physics, 2014, 430, 47-55.	1.9	40
105	A designed fluorescent anthracene derivative: Theory, calculation, synthesis, and characterization. Chemical Physics Letters, 2014, 602, 80-83.	2.6	22
106	Polymethylsilsesquioxane–Cellulose Nanofiber Biocomposite Aerogels with High Thermal Insulation, Bendability, and Superhydrophobicity. ACS Applied Materials & Interfaces, 2014, 6, 9466-9471.	8.0	164
107	Reversible Generation of a Carbon-Centered Radical from Alkyl Iodide Using Organic Salts and Their Application as Organic Catalysts in Living Radical Polymerization. Journal of the American Chemical Society, 2013, 135, 11131-11139.	13.7	154
108	Efficient Persistent Room Temperature Phosphorescence in Organic Amorphous Materials under Ambient Conditions. Advanced Functional Materials, 2013, 23, 3386-3397.	14.9	643

#	ARTICLE: couplings in <mml:math <="" altimg="si21.gif" overflow="scroll" th=""><th>IF</th><th>CITATIONS</th></mml:math>	IF	CITATIONS
109	xmins:xocs= http://www.elsevier.com/xmi/xocs/dtd_xmins:xs= http://www.w3.org/2001/XMLSchema xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	2.6	2
110	xmlns:se= "http://www.elsevier.com/x ï€-Extended Planarized Triphenylboranes with Thiophene Spacers. Organic Letters, 2013, 15, 6234-6237.	4.6	90
111	A Superamphiphobic Macroporous Silicone Monolith with Marshmallowâ€like Flexibility. Angewandte Chemie - International Edition, 2013, 52, 10788-10791.	13.8	122
112	Vibronic coupling density analysis for the chain-length dependence of reorganization energies in oligofluorenes: a comparative study with oligothiophenes. Physical Chemistry Chemical Physics, 2013, 15, 14006.	2.8	9
113	Facile Synthesis of Marshmallowâ€like Macroporous Gels Usable under Harsh Conditions for the Separation of Oil and Water. Angewandte Chemie - International Edition, 2013, 52, 1986-1989.	13.8	408
114	Visible-Light-Induced Reversible Complexation Mediated Living Radical Polymerization of Methacrylates with Organic Catalysts. Macromolecules, 2013, 46, 96-102.	4.8	159
115	Sensitivity boosting in solid-state NMR of thin organic semiconductors by a paramagnetic dopant of copper phthalocyanine. Chemical Physics Letters, 2013, 556, 195-199.	2.6	7
116	Reversible Thermal Recording Media Using Timeâ€Dependent Persistent Room Temperature Phosphorescence. Advanced Optical Materials, 2013, 1, 438-442.	7.3	101
117	Living Radical Polymerizations with Organic Catalysts. RSC Polymer Chemistry Series, 2013, , 250-286.	0.2	3
118	Determination of Accurate <sup>1</sup> H Positions of (Ala-Gly)n as a Sequential Peptide Model of Bombyx mori Silk Fibroin before Spinning (Silk I). Macromolecules, 2013, 46, 8046-8050.	4.8	31
119	Refined Structure Determination of Blue-Emitting Tris(8-hydroxyquinoline) Aluminum(III) (Alq <sub>3</sub> ) by the Combined Use of Cross-Polarization/Magic-Angle Spinning <sup>13</sup> C Solid-State NMR and First-Principles Calculation. Journal of Physical Chemistry C, 2013, 117, 18809-18817.	3.1	25
120	Theoretical design for carrier-transporting molecules in view of vibronic couplings. Journal of Photonics for Energy, 2012, 2, 021201.	1.3	2
121	Determination of accurate 1H positions of an alanine tripeptide with anti-parallel and parallel Î <sup>2</sup> -sheet structures by high resolution 1H solid state NMR and GIPAW chemical shift calculation. Chemical Communications, 2012, 48, 11199.	4.1	25
122	Role of block copolymer surfactant on the pore formation in methylsilsesquioxane aerogel systems. RSC Advances, 2012, 2, 7166.	3.6	43
123	Green- and blue-emitting tris(8-hydroxyquinoline) aluminum(III) (Alq3) crystalline polymorphs: Preparation and application to organic light-emitting diodes. Organic Electronics, 2012, 13, 2985-2990.	2.6	32
124	Investigation of aggregated structures in organic light-emitting diodes: approach from solid-state NMR. , 2012, , .		0
125	Reversible Complexation Mediated Polymerization (RCMP) of Methyl Methacrylate. ACS Symposium Series, 2012, , 305-315.	0.5	12
126	Structure and crystallization of sub-elementary fibrils of bacterial cellulose isolated by using a fluorescent brightening agent. Cellulose, 2012, 19, 713-727.	4.9	16

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127	Reversible Complexation Mediated Living Radical Polymerization (RCMP) Using Organic Catalysts. Macromolecules, 2011, 44, 8709-8715.	4.8	125
128	Theoretical design of a hole-transporting molecule: hexaaza[16]parabiphenylophane. Journal of Materials Chemistry, 2011, 21, 6375.	6.7	28
129	Living Radical Polymerizations with Organic Catalysts. Kobunshi Ronbunshu, 2011, 68, 223-231.	0.2	0
130	Enhanced hole injection in organic light-emitting diodes by optimized synthesis of self-assembled monolayer. Organic Electronics, 2011, 12, 1600-1605.	2.6	8
131	Vibronic interactions in hole-transporting molecules: An interplay with electron–hole interactions. Chemical Physics Letters, 2011, 507, 151-156.	2.6	3
132	Fusion of Phosphole and 1,1′â€Biacenaphthene: Phosphorus(V)â€Containing Extended Ï€â€Systems with High Electron Affinity and Electron Mobility. Angewandte Chemie - International Edition, 2011, 50, 8016-8020.	13.8	115
133	Revealing bipolar charge-transport property of 4,4′-N,N′-dicarbazolylbiphenyl (CBP) by quantum chemical calculations. Organic Electronics, 2011, 12, 169-178.	2.6	44
134	Local stoichiometry in amorphous supramolecular composites analyzed by solid-state C13 nuclear magnetic resonance. Applied Physics Letters, 2011, 98, 113301.	3.3	8
135	Solid-state nuclear magnetic resonance analysis of phase separation behavior of regioregular poly(3-hexylthiophene) and [6,6]-phenyl-C61-butyric acid methyl ester in bulk heterojunction organic solar cells. Applied Physics Letters, 2011, 99, .	3.3	14
136	Synthesis of high-silica and low-silica zeolite monoliths with trimodal pores. Microporous and Mesoporous Materials, 2010, 132, 538-542.	4.4	22
137	Percolation paths for charge transports in N,N′-diphenyl-N,N′-di(m-tolyl)benzidine (TPD). Organic Electronics, 2010, 11, 255-265.	2.6	49
138	Vibronic coupling density analysis of hole-transporting materials: Electron-density difference in DFT and HF methods. Organic Electronics, 2010, 11, 1277-1287.	2.6	13
139	Electron–vibration interactions in triphenylamine cation: Why are triphenylamine-based molecules good hole-transport materials?. Chemical Physics Letters, 2010, 486, 130-136.	2.6	19
140	Molecular dynamics and orientation of stretched rubber by solid-state 13C NMR. Polymer Journal, 2010, 42, 25-30.	2.7	12
141	A boron-containing molecule as an efficient electron-transporting material with low-power consumption. Applied Physics Letters, 2010, 97, 142111.	3.3	30
142	Phenols and Carbon Compounds as Efficient Organic Catalysts for Reversible Chain Transfer Catalyzed Living Radical Polymerization (RTCP). Macromolecules, 2010, 43, 7971-7978.	4.8	49
143	Acenaphtho[1, 2â€ <i>c</i> ]phosphole <i>P</i> â€Oxide: A Phosphole–Naphthalene Ï€â€Conjugated Syster High Electron Mobility. Chemistry - A European Journal, 2009, 15, 10000-10004.	n with 3.3	62
144	Planarity of triphenylamine moieties of a typical hole-transport material for OLEDs, N,Nâ€2-diphenyl-N,Nâ€2-di(m-tolyl)benzidine (TPD), in the amorphous state. Journal of Molecular Structure, 2009, 927, 82-87.	3.6	7

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145	Characterization of local structures in amorphous and crystalline tris(8-hydroxyquinoline) aluminum(III) (Alq3) by solid-state 27Al MQMAS NMR spectroscopy. Chemical Physics Letters, 2009, 471, 80-84.	2.6	17
146	Comparative Study on the Structural, Optical, and Electrochemical Properties of Bithiopheneâ€Fused Benzo[ <i>c</i> ]phospholes. Chemistry - A European Journal, 2008, 14, 8102-8115.	3.3	75
147	Electron–vibration interactions in carrier-transport material: Vibronic coupling density analysis in TPD. Chemical Physics Letters, 2008, 458, 152-156.	2.6	38
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