

Hironori Kaji

List of Publications by Year in descending order

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200
papers

9,472
citations

50170

46
h-index

45213

90
g-index

212
all docs

212
docs citations

212
times ranked

7776
citing authors

#	ARTICLE	IF	CITATIONS
1	Band-like Transport of Charge Carriers in Oriented Two-Dimensional Conjugated Covalent Organic Frameworks. <i>Chemistry of Materials</i> , 2022, 34, 736-745.	3.2	30
2	Highly Efficient and Stable Blue Organic Light-Emitting Diodes based on Thermally Activated Delayed Fluorophor with Donor-Acceptor Motif. <i>Advanced Science</i> , 2022, 9, e2106018.	5.6	40
3	Comprehensive understanding of multiple resonance thermally activated delayed fluorescence through quantum chemistry calculations. <i>Communications Chemistry</i> , 2022, 5, .	2.0	33
4	A multifunctional hole-transporter for high-performance TADF OLEDs and clarification of factors governing the transport property by multiscale simulation. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8694-8701.	2.7	15
5	Correlated Triplet Pair Formation Activated by Geometry Relaxation in Directly Linked Tetracene Dimer (5,5'-Bitetracene). <i>ACS Omega</i> , 2021, 6, 2638-2643.	1.6	3
6	Thiophene-Fused Naphthodiphospholes: Modulation of the Structural and Electronic Properties of Polycyclic Aromatics by Precise Fusion of Heteroles. <i>ChemPlusChem</i> , 2021, 86, 130-136.	1.3	2
7	Comprehensive study on operational lifetime of organic light-emitting diodes: effects of molecular structure and energy transfer. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 040902.	0.8	2
8	Efficient Direct Reverse Intersystem Crossing between Charge Transfer-Type Singlet and Triplet States in a Purely Organic Molecule. <i>ChemPhysChem</i> , 2021, 22, 625-632.	1.0	14
9	Exploring the capability of mayenite (12CaO·7Al ₂ O ₃) as hydrogen storage material. <i>Scientific Reports</i> , 2021, 11, 6278.	1.6	4
10	Acceleration of Reverse Intersystem Crossing using Different Types of Charge Transfer States. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1073-1076.	1.7	6
11	Molecular Vibration Accelerates Charge Transfer Emission in a Highly Twisted Blue Thermally Activated Delayed Fluorescence Material. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4534-4539.	1.1	11
12	Efficient Direct Reverse Intersystem Crossing between Charge Transfer-Type Singlet and Triplet States in a Purely Organic Molecule. <i>ChemPhysChem</i> , 2021, 22, 621-621.	1.0	0
13	Synthesis and Characterization of 5,5'-Bitetracene. <i>Chemistry Letters</i> , 2021, 50, 800-803.	0.7	1
14	25th Invited Paper: Multiscale Charge Transport Simulation and <i>in silico</i> Material Design for Highly-Efficient OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 308-311.	0.1	1
15	Manipulation of Charge-Transfer States by Molecular Design: Perspective from "Dynamic Exciton". <i>Accounts of Materials Research</i> , 2021, 2, 501-514.	5.9	42
16	Efficient blue thermally activated delayed fluorescence emitters showing very fast reverse intersystem crossing. <i>Applied Physics Express</i> , 2021, 14, 071003.	1.1	21
17	Multichromophore Molecular Design for Thermally Activated Delayed-Fluorescence Emitters with Near-Unity Photoluminescence Quantum Yields. <i>Journal of Organic Chemistry</i> , 2021, 86, 11531-11544.	1.7	5
18	Exact Solution of Kinetic Analysis for Thermally Activated Delayed Fluorescence Materials. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8074-8089.	1.1	47

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19	Theoretical Determination of Rate Constants from Excited States: Application to Benzophenone. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9000-9010.	1.1	15
20	Near-Unity Singlet Fission on a Quantum Dot Initiated by Resonant Energy Transfer. <i>Journal of the American Chemical Society</i> , 2021, 143, 17388-17394.	6.6	10
21	<i>N</i> -Adamantylphthalimide-based Thermally Activated Delayed Fluorescence Emitter for Solution-processed Organic Light-emitting Diodes. <i>Chemistry Letters</i> , 2021, 50, 1953-1955.	0.7	0
22	Effect of a twin-emitter design strategy on a previously reported thermally activated delayed fluorescence organic light-emitting diode. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2894-2905.	1.3	1
23	Tris(triazolo)triazine-based emitters for solution-processed blue thermally activated delayed fluorescence organic light-emitting diodes. <i>Materials Advances</i> , 2020, 1, 2862-2871.	2.6	11
24	Organic light emitters exhibiting very fast reverse intersystem crossing. <i>Nature Photonics</i> , 2020, 14, 643-649.	15.6	344
25	Conformation Control of Iminodibenzyl-Based Thermally Activated Delayed Fluorescence Material by Tilted Face-to-Face Alignment With Optimal Distance (tFFO) Design. <i>Frontiers in Chemistry</i> , 2020, 8, 530.	1.8	7
26	Visual Understanding of Vibronic Coupling and Quantitative Rate Expression for Singlet Fission in Molecular Aggregates. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1305-1313.	2.0	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. <i>Biomacromolecules</i> , 2020, 21, 3102-3111.	2.6	19
28	Identification of Prime Factors to Maximize the Photocatalytic Hydrogen Evolution of Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 9752-9762.	6.6	94
29	Thermally Activated Delayed Fluorescence Benzyl Cellulose Derivatives for Nondoped Organic Light-Emitting Diodes. <i>Macromolecules</i> , 2020, 53, 2864-2873.	2.2	18
30	Effect of Vibronic Coupling on Correlated Triplet Pair Formation in the Singlet Fission Process of Linked Tetracene Dimers. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3641-3651.	1.1	18
31	Improving NIR sensor detectivity of BODIPY/C60 bulk heterojunction photodiode. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SGGG04.	0.8	2
32	Ambient-dried highly flexible copolymer aerogels and their nanocomposites with polypyrrole for thermal insulation, separation, and pressure sensing. <i>Polymer Chemistry</i> , 2019, 10, 4980-4990.	1.9	21
33	Noise Reduction in Solid-State NMR Spectra Using Principal Component Analysis. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10333-10338.	1.1	24
34	Thermally Activated Delayed Fluorescent Materials Combining Intra- and Intermolecular Charge Transfers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7192-7198.	4.0	44
35	Impact of the position of the imine linker on the optoelectronic performance of π -conjugated organic frameworks. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 325-331.	1.7	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. <i>Chemosphere</i> , 2019, 228, 513-520.	4.2	6

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37	Synthesis and characterization of cyclic P3HT as a donor polymer for organic solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 266-271.	2.4	3
38	Unveiling the Role of Langevin and Trap-Assisted Recombination in Long Lifespan OLEDs Employing Thermally Activated Delayed Fluorophores. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1096-1108.	4.0	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. <i>Organic Electronics</i> , 2018, 58, 313-317.	1.4	50
41	Versatile Indolocarbazole Isomer Derivatives as Highly Emissive Emitters and Ideal Hosts for Thermally Activated Delayed Fluorescent OLEDs with Alleviated Efficiency Roll-Off. <i>Advanced Materials</i> , 2018, 30, 1705406.	11.1	217
42	Transparent, Superflexible Doubly Cross-Linked Polyvinylpolymethylsiloxane Aerogel Superinsulators via Ambient Pressure Drying. <i>ACS Nano</i> , 2018, 12, 521-532.	7.3	211
43	Adamantyl Substitution Strategy for Realizing Solution-Processable Thermally Stable Deep-Blue Thermally Activated Delayed Fluorescence Materials. <i>Advanced Materials</i> , 2018, 30, 1705641.	11.1	196
44	Effects of Structural and Energetic Disorders on Charge Transports in Crystal and Amorphous Organic Layers. <i>Scientific Reports</i> , 2018, 8, 5203.	1.6	21
45	Versatile Double-Cross-Linking Approach to Transparent, Machinable, Supercompressible, Highly Bendable Aerogel Thermal Superinsulators. <i>Chemistry of Materials</i> , 2018, 30, 2759-2770.	3.2	130
46	Kinetics of Melting of Sucrose Crystals. <i>Crystal Growth and Design</i> , 2018, 18, 2602-2608.	1.4	10
47	Dipole Moment in the Excited State: An Important Property for TADF Hosts. <i>CheM</i> , 2018, 4, 2018-2019.	5.8	4
48	Parameter-Free Multiscale Simulation Realising Quantitative Prediction of Hole and Electron Mobilities in Organic Amorphous System with Multiple Frontier Orbitals. <i>Scientific Reports</i> , 2018, 8, 13462.	1.6	21
49	Carbazole and Benzophenone Based Twisted Donor-Acceptor Systems as Solution Processable Green Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Chemistry Letters</i> , 2018, 47, 1236-1239.	0.7	1
50	Superheated Melting Kinetics of Metastable Chain-Folded Polymer Crystals. <i>Crystal Growth and Design</i> , 2018, 18, 3637-3643.	1.4	11
51	Superflexible Multifunctional Polyvinylpolydimethylsiloxane-Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. <i>Angewandte Chemie</i> , 2018, 130, 9870-9875.	1.6	16
52	Superflexible Multifunctional Polyvinylpolydimethylsiloxane-Based Aerogels as Efficient Absorbents, Thermal Superinsulators, and Strain Sensors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9722-9727.	7.2	108
53	Ultrahigh Power Efficiency Thermally Activated Delayed Fluorescent OLEDs by the Strategic Use of Electron-Transport Materials. <i>Advanced Optical Materials</i> , 2018, 6, 1800376.	3.6	28
54	Low-density, transparent aerogels and xerogels based on hexylene-bridged polysilsesquioxane with bendability. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 42-51.	1.1	32

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55	α -LiAl ₄ Type Nitrides LnAl(Si ₄) _x Al _x N ₇ O ₁ with Unusual [AlN ₆] Octahedral Coordination. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3886-3891.	7.2	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. <i>Chemistry of Materials</i> , 2017, 29, 2122-2134.	3.2	76
57	Combined Inter- and Intramolecular Charge Transfer Processes for Highly Efficient Fluorescent Organic Light-Emitting Diodes with Reduced Triplet Exciton Quenching. <i>Advanced Materials</i> , 2017, 29, 1606448.	11.1	131
58	Refined Crystal Structure of <i>Samia cynthia ricini</i> Silk Fibroin Revealed by Solid-State NMR Investigations. <i>Biomacromolecules</i> , 2017, 18, 1965-1974.	2.6	27
59	Transparent Ethenylene-Bridged Polymethylsiloxane Aerogels: Mechanical Flexibility and Strength and Availability for Addition Reaction. <i>Langmuir</i> , 2017, 33, 4543-4550.	1.6	43
60	Increasing the horizontal orientation of transition dipole moments in solution processed small molecular emitters. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6555-6562.	2.7	22
61	Blue organic light-emitting diodes realizing external quantum efficiency over 25% using thermally activated delayed fluorescence emitters. <i>Scientific Reports</i> , 2017, 7, 284.	1.6	88
62	Fabrication of hydrophobic polymethylsilsesquioxane aerogels by a surfactant-free method using alkoxysilane with ionic group. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 104-108.	1.0	10
63	Grafted Polymethylhydrosiloxane on Hierarchically Porous Silica Monoliths: A New Path to Monolith-Supported Palladium Nanoparticles for Continuous Flow Catalysis Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 406-412.	4.0	46
64	Aerogels from Chloromethyltrimethoxysilane and Their Functionalizations. <i>Langmuir</i> , 2017, 33, 13841-13848.	1.6	4
65	Analysis of Molecular Orientation in Organic Semiconducting Thin Films Using Static Dynamic Nuclear Polarization Enhanced Solid-State NMR Spectroscopy. <i>Angewandte Chemie</i> , 2017, 129, 15038-15042.	1.6	1
66	Analysis of Molecular Orientation in Organic Semiconducting Thin Films Using Static Dynamic Nuclear Polarization Enhanced Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14842-14846.	7.2	14
67	Solution-processable thermally activated delayed fluorescence emitters for application in organic light emitting diodes. <i>Journal of the Society for Information Display</i> , 2017, 25, 480-485.	0.8	8
68	Gram-Scale Syntheses and Conductivities of [10]Cycloparaphenylene and Its Tetraalkoxy Derivatives. <i>Journal of the American Chemical Society</i> , 2017, 139, 18480-18483.	6.6	87
69	Thermally Activated Delayed Fluorescence Emitter with a Symmetric Acceptor-Donor-Acceptor Structure. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2017, 30, 475-481.	0.1	9
70	Organic Electroluminescent Materials Realizing Efficient Conversion from Electricity to Light. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2016, 29, 305-310.	0.1	5
71	Detailed analysis of charge transport in amorphous organic thin layer by multiscale simulation without any adjustable parameters. <i>Scientific Reports</i> , 2016, 6, 39128.	1.6	29
72	Boehmite Nanofiber-Shell Polymethylsilsesquioxane Core-Shell Porous Monoliths for a Thermal Insulator under Low Vacuum Conditions. <i>Chemistry of Materials</i> , 2016, 28, 3237-3240.	3.2	25

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73	Transparent, Highly Insulating Polyethyl- and Polyvinylsilsesquioxane Aerogels: Mechanical Improvements by Vulcanization for Ambient Pressure Drying. <i>Chemistry of Materials</i> , 2016, 28, 6860-6868.	3.2	96
74	Transparent Ethylene-Bridged Polymethylsiloxane Aerogels and Xerogels with Improved Bending Flexibility. <i>Langmuir</i> , 2016, 32, 13427-13434.	1.6	49
75	The Influence of Quasipolar Structures of Partially Oxygen-Bridged Triphenylamine Dimers on the Properties of Their Bulk Films. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 726-732.	2.0	13
76	Dynamic spring-back behavior in evaporative drying of polymethylsilsesquioxane monolithic gels for low-density transparent thermal superinsulators. <i>Journal of Non-Crystalline Solids</i> , 2016, 434, 115-119.	1.5	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. <i>Applied Physics Express</i> , 2016, 9, 032102.	1.1	32
78	Highly efficient electroluminescence from a solution-processable thermally activated delayed fluorescence emitter. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	75
79	Material degradation of liquid organic semiconductors analyzed by nuclear magnetic resonance spectroscopy. <i>AIP Advances</i> , 2015, 5, 087124.	0.6	7
80	Triarylboron-Based Fluorescent Organic Light-Emitting Diodes with External Quantum Efficiencies Exceeding 20%. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15231-15235.	7.2	285
81	[Paper] Meta-linking Strategy for Thermally Activated Delayed Fluorescence Emitters with a Small Singlet-Triplet Energy Gap. <i>ITE Transactions on Media Technology and Applications</i> , 2015, 3, 108-113.	0.3	21
82	Living Radical Polymerizations Using Sodium Iodide and Potassium Iodide as Catalysts. <i>ACS Symposium Series</i> , 2015, , 171-182.	0.5	4
83	Distribution ratio of carbon black in polyisobutylene/polyisoprene rubber blends using high-resolution solid-state ¹³ C NMR. <i>Polymer Journal</i> , 2015, 47, 422-427.	1.3	3
84	Controlled emission colors and singlet-triplet energy gaps of dihydrophenazine-based thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2175-2181.	2.7	147
85	Intermolecular Packing in <i>B. mori</i> Silk Fibroin: Multinuclear NMR Study of the Model Peptide (Ala-Gly) ₁₅ Defines a Heterogeneous Antiparallel Antipolar Mode of Assembly in the Silk II Form. <i>Macromolecules</i> , 2015, 48, 28-36.	2.2	43
86	Strategy for Designing Electron Donors for Thermally Activated Delayed Fluorescence Emitters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1291-1297.	1.5	137
87	Enhanced Electroluminescence from a Thermally Activated Delayed-Fluorescence Emitter by Suppressing Nonradiative Decay. <i>Physical Review Applied</i> , 2015, 3, .	1.5	81
88	Highly efficient electroluminescence from purely organic donor-acceptor systems. <i>Pure and Applied Chemistry</i> , 2015, 87, 627-638.	0.9	45
89	Photocontrolled Organocatalyzed Living Radical Polymerization Feasible over a Wide Range of Wavelengths. <i>Journal of the American Chemical Society</i> , 2015, 137, 5610-5617.	6.6	220
90	Multiscale simulation of charge transport in a host material, N,N'-dicarbazole-3,5-benzene (mCP), for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5549-5555.	2.7	23

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91	Highly Efficient Thermally Activated Delayed Fluorescence Emitters with a Small Singlet-Triplet Energy Gap and Large Oscillator Strength. <i>Chemistry Letters</i> , 2015, 44, 360-362.	0.7	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. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26283-26289.	1.5	116
94	Purely organic electroluminescent material realizing 100% conversion from electricity to light. <i>Nature Communications</i> , 2015, 6, 8476.	5.8	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. <i>Journal of Materials Chemistry C</i> , 2015, 3, 870-878.	2.7	51
96	Difference in the structures of alanine tri- and tetra-peptides with antiparallel β -sheet assessed by X-ray diffraction, solid-state NMR and chemical shift calculations by GIPAW. <i>Biopolymers</i> , 2014, 101, 13-20.	1.2	24
97	Degradation of blue phosphorescent organic LEDs analyzed by solution NMR spectroscopy. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
98	Living Radical Polymerization via Organic Superbase Catalysis. <i>Polymers</i> , 2014, 6, 860-872.	2.0	31
99	Macromolecular Architectures Designed by Living Radical Polymerization with Organic Catalysts. <i>Polymers</i> , 2014, 6, 311-326.	2.0	26
100	Clarification of isomeric structures and the effect of intermolecular interactions in blue-emitting aluminum complex Alq3 using first-principles 27Al NMR calculations. <i>Chemical Physics Letters</i> , 2014, 605-606, 1-4.	1.2	5
101	On-Top π -Stacking of Quasipolar Molecules in Hole-Transporting Materials: Inducing Anisotropic Carrier Mobility in Amorphous Films. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5800-5804.	7.2	87
102	Systematic Study on Alkyl Iodide Initiators in Living Radical Polymerization with Organic Catalysts. <i>Macromolecules</i> , 2014, 47, 6610-6618.	2.2	55
103	Relationship between room temperature phosphorescence and deuteration position in a purely aromatic compound. <i>Chemical Physics Letters</i> , 2014, 591, 119-125.	1.2	36
104	Enhancement of fluorescence in anthracene by chlorination: Vibronic coupling and transition dipole moment density analysis. <i>Chemical Physics</i> , 2014, 430, 47-55.	0.9	40
105	A designed fluorescent anthracene derivative: Theory, calculation, synthesis, and characterization. <i>Chemical Physics Letters</i> , 2014, 602, 80-83.	1.2	22
106	Polymethylsilsesquioxane-Cellulose Nanofiber Biocomposite Aerogels with High Thermal Insulation, Bendability, and Superhydrophobicity. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9466-9471.	4.0	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. <i>Journal of the American Chemical Society</i> , 2013, 135, 11131-11139.	6.6	154
108	Efficient Persistent Room Temperature Phosphorescence in Organic Amorphous Materials under Ambient Conditions. <i>Advanced Functional Materials</i> , 2013, 23, 3386-3397.	7.8	643

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109	couplings in $\langle \text{si}^2 \rangle$. <i>Organic Letters</i> , 2013, 15, 6234-6237.	1.2	2
110	Extended Planarized Triphenylboranes with Thiophene Spacers. <i>Organic Letters</i> , 2013, 15, 6234-6237.	2.4	90
111	A Superamphiphobic Macroporous Silicone Monolith with Marshmallow-like Flexibility. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10788-10791.	7.2	122
112	Vibronic coupling density analysis for the chain-length dependence of reorganization energies in oligofluorenes: a comparative study with oligothiophenes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14006.	1.3	9
113	Facile Synthesis of Marshmallow-like Macroporous Gels Usable under Harsh Conditions for the Separation of Oil and Water. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1986-1989.	7.2	408
114	Visible-Light-Induced Reversible Complexation Mediated Living Radical Polymerization of Methacrylates with Organic Catalysts. <i>Macromolecules</i> , 2013, 46, 96-102.	2.2	159
115	Sensitivity boosting in solid-state NMR of thin organic semiconductors by a paramagnetic dopant of copper phthalocyanine. <i>Chemical Physics Letters</i> , 2013, 556, 195-199.	1.2	7
116	Reversible Thermal Recording Media Using Time-Dependent Persistent Room Temperature Phosphorescence. <i>Advanced Optical Materials</i> , 2013, 1, 438-442.	3.6	101
117	Living Radical Polymerizations with Organic Catalysts. <i>RSC Polymer Chemistry Series</i> , 2013, , 250-286.	0.1	3
118	Determination of Accurate ^1H Positions of (Ala-Gly) $_n$ as a Sequential Peptide Model of Bombyx mori Silk Fibroin before Spinning (Silk I). <i>Macromolecules</i> , 2013, 46, 8046-8050.	2.2	31
119	Refined Structure Determination of Blue-Emitting Tris(8-hydroxyquinoline) Aluminum(III) (Alq $_3$) by the Combined Use of Cross-Polarization/Magic-Angle Spinning ^{13}C Solid-State NMR and First-Principles Calculation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18809-18817.	1.5	25
120	Theoretical design for carrier-transporting molecules in view of vibronic couplings. <i>Journal of Photonics for Energy</i> , 2012, 2, 021201.	0.8	2
121	Determination of accurate ^1H positions of an alanine tripeptide with anti-parallel and parallel β -sheet structures by high resolution ^1H solid state NMR and GIPAW chemical shift calculation. <i>Chemical Communications</i> , 2012, 48, 11199.	2.2	25
122	Role of block copolymer surfactant on the pore formation in methylsilsesquioxane aerogel systems. <i>RSC Advances</i> , 2012, 2, 7166.	1.7	43
123	Green- and blue-emitting tris(8-hydroxyquinoline) aluminum(III) (Alq $_3$) crystalline polymorphs: Preparation and application to organic light-emitting diodes. <i>Organic Electronics</i> , 2012, 13, 2985-2990.	1.4	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. <i>ACS Symposium Series</i> , 2012, , 305-315.	0.5	12
126	Structure and crystallization of sub-elementary fibrils of bacterial cellulose isolated by using a fluorescent brightening agent. <i>Cellulose</i> , 2012, 19, 713-727.	2.4	16

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127	Reversible Complexation Mediated Living Radical Polymerization (RCMP) Using Organic Catalysts. <i>Macromolecules</i> , 2011, 44, 8709-8715.	2.2	125
128	Theoretical design of a hole-transporting molecule: hexaaza[16]parabiphenylophane. <i>Journal of Materials Chemistry</i> , 2011, 21, 6375.	6.7	28
129	Living Radical Polymerizations with Organic Catalysts. <i>Kobunshi Ronbunshu</i> , 2011, 68, 223-231.	0.2	0
130	Enhanced hole injection in organic light-emitting diodes by optimized synthesis of self-assembled monolayer. <i>Organic Electronics</i> , 2011, 12, 1600-1605.	1.4	8
131	Vibronic interactions in hole-transporting molecules: An interplay with electron-hole interactions. <i>Chemical Physics Letters</i> , 2011, 507, 151-156.	1.2	3
132	Fusion of Phosphole and 1,1'-Biindenylidene: Phosphorus(V)-Containing Extended π -Systems with High Electron Affinity and Electron Mobility. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8016-8020.	7.2	115
133	Revealing bipolar charge-transport property of 4,4'-N,N'-dicarbazolylbiphenyl (CBP) by quantum chemical calculations. <i>Organic Electronics</i> , 2011, 12, 169-178.	1.4	44
134	Local stoichiometry in amorphous supramolecular composites analyzed by solid-state ^{13}C nuclear magnetic resonance. <i>Applied Physics Letters</i> , 2011, 98, 113301.	1.5	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. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	14
136	Synthesis of high-silica and low-silica zeolite monoliths with trimodal pores. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 538-542.	2.2	22
137	Percolation paths for charge transports in N,N'-diphenyl-N,N'-di(m-tolyl)benzidine (TPD). <i>Organic Electronics</i> , 2010, 11, 255-265.	1.4	49
138	Vibronic coupling density analysis of hole-transporting materials: Electron-density difference in DFT and HF methods. <i>Organic Electronics</i> , 2010, 11, 1277-1287.	1.4	13
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