

Yutaka Ie

List of Publications by Year in Descending Order

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

131
papers

2,882
citations

28
h-index

48
g-index

150
ext. papers

3,211
ext. citations

6.1
avg, IF

5.14
L-index

#	Paper	IF	Citations
131	Cross-conjugated isothianaphthene quinoids: a versatile strategy for controlling electronic structures. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 4424-4433	7.1	1
130	N-type Semiconducting Polymers Based on Dicyano Naphthobisthiadiazole: High Electron Mobility with Unfavorable Backbone Twist. <i>Chemistry of Materials</i> , 2021 , 33, 2218-2228	9.6	5
129	Electron-Accepting π -Conjugated Compound Containing Cyano-Substituted Naphthobisthiadiazole as Nonfullerene Acceptor in Organic Solar Cells. <i>Synthesis</i> , 2021 , 53, 3390-3396	2.9	0
128	Reduction of Ethynyls to Vinyls in a Macrocyclic π -Extended Thiophene Skeleton Under McMurry Coupling Conditions. <i>Journal of Organic Chemistry</i> , 2021 , 86, 302-309	4.2	4
127	Single-Molecule Conductance of a π -Hybridized Tripodal Anchor while Maintaining Electronic Communication. <i>Small</i> , 2021 , 17, e2006709	11	2
126	Improving Intramolecular Hopping Charge Transport via Periodical Segmentation of π -Conjugation in a Molecule. <i>Journal of the American Chemical Society</i> , 2021 , 143, 599-603	16.4	5
125	Excited states engineering enables efficient near-infrared lasing in nanographenes. <i>Materials Horizons</i> , 2021 ,	14.4	4
124	End-functionalization of dithiarubicene: modulation of optoelectronic properties by metal-catalyzed coupling reactions and device application. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5920-5929 ⁰	7.1	0
123	Power of an Organic Electron Acceptor in Modulation of Intracellular Mitochondrial Reactive Oxygen Species: Inducing JNK- and Caspase-Dependent Apoptosis of Cancer Cells. <i>ACS Omega</i> , 2021 , 6, 7815-7828	3.9	1
122	Oligoene and cyanine features of tetracyano quinoidal oligothiophenes. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10727-10740	7.1	3
121	Nonfullerene acceptors for P3HT-based organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 18857-18886	13	21
120	Dianion and Dication of Tetracyclopentatetraphenylene as Decoupled Annulene-within-an-Annulene Models. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	1
119	Effects of fluorine substitution in quinoidal oligothiophenes for use as organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3580-3588	7.1	10
118	Impact of Noncovalent Sulfur-Fluorine Interaction Position on Properties, Structures, and Photovoltaic Performance in Naphthobisthiadiazole-Based Semiconducting Polymers. <i>Advanced Energy Materials</i> , 2020 , 10, 1903278	21.8	25
117	Quinoidal Oligothiophenes Having Full Benzene Annelation: Synthesis, Properties, Structures, and Acceptor Application in Organic Photovoltaics. <i>Organic Letters</i> , 2020 , 22, 547-551	6.2	11
116	Correlation between the Dipole Moment of Nonfullerene Acceptors and the Active Layer Morphology of Green-Solvent-Processed P3HT-Based Organic Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 19013-19022	8.3	3
115	Time-resolved electrostatic force microscopy using tip-synchronized charge generation with pulsed laser excitation. <i>Communications Physics</i> , 2019 , 2,	5.4	11

114	Deviation from Point Dipole Analysis for Exciton Quenching in Quaterthiophene-Terminated Self-Assembled Monolayers on Au(111). <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16127-16136	3.8	1
113	Highly Planar and Completely Insulated Oligothiophenes: Effects of π -Conjugation on Hopping Charge Transport. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3197-3204	6.4	13
112	Mitochondria-Targeted New Blue Light-Emitting Fluorescent Molecular Probe. <i>ACS Omega</i> , 2019 , 4, 9361-9366	3.9	0
111	Small Structural Changes in the Alkyl Substituents of Macrocyclic π -Extended Thiophene Oligomers Causes a Key Effect on Their Stacking and Functional Properties. <i>ChemPlusChem</i> , 2019 , 84, 694-703	2.8	4
110	Effects of π -Conformation between Thiophene Rings on Conductance of Oligothiophenes. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5292-5296	6.4	9
109	Development of an Electron-Transporting π -Conjugated Polymer Containing Fluorine-substituted Naphthobisthiadiazole. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2019 , 32, 721-725	0.7	1
108	π -Extension of electron-accepting dithiarubicene with a cyano-substituted electron-withdrawing group and application in air-stable n-channel organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12610-12618	7.1	6
107	Universal strategy for Ohmic hole injection into organic semiconductors with high ionization energies. <i>Nature Materials</i> , 2018 , 17, 329-334	2.7	119
106	Enhanced Photovoltaic Performance of Amorphous Donor-Acceptor Copolymers Based on Fluorine-Substituted Benzodioxocyclohexene-Annulated Thiophene. <i>Advanced Energy Materials</i> , 2018 , 8, 1702506	21.8	8
105	Synthesis, Properties, and Photovoltaic Characteristics of Donor-Acceptor Copolymers Based on Tetrafluoro-Substituted Benzodioxocyclohexene-Annulated Thiophene. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018 , 31, 145-150	0.7	1
104	Influence of molecular distortion on the exciton quenching for quaterthiophene-terminated self-assembled monolayers on Au(111). <i>Surface Science</i> , 2018 , 669, 160-168	1.8	2
103	Antiaromatic character of cycloheptatriene-bis-annelated indenofluorene framework mainly originated from heptafulvene segment. <i>Scientific Reports</i> , 2018 , 8, 17663	4.9	26
102	A Thiazole-fused Antiaromatic Compound Containing an s-Indacene Chromophore with a High Electron Affinity. <i>Chemistry Letters</i> , 2018 , 47, 1534-1537	1.7	5
101	Innentitelbild: Creating Elastic Organic Crystals of π -Conjugated Molecules with Bending Mechanofluorochromism and Flexible Optical Waveguide (Angew. Chem. 52/2018). <i>Angewandte Chemie</i> , 2018 , 130, 17154-17154	3.6	
100	Creating Elastic Organic Crystals of π -Conjugated Molecules with Bending Mechanofluorochromism and Flexible Optical Waveguide. <i>Angewandte Chemie</i> , 2018 , 130, 17248-17254	3.6	26
99	Fluorinated naphtho[1,2-c:5,6-c']bis[1,2,5]thiadiazole-containing π -conjugated compound: synthesis, properties, and acceptor applications in organic solar cells. <i>NPG Asia Materials</i> , 2018 , 10, 1016-1028	10.3	13
98	Creating Elastic Organic Crystals of π -Conjugated Molecules with Bending Mechanofluorochromism and Flexible Optical Waveguide. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17002-17008	16.4	102
97	Oligothiophene quinoids containing a benzo[c]thiophene unit for the stabilization of the quinoidal electronic structure. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7493-7500	7.1	26

96	Naphtho[1,2-:5,6-']bis[1,2,5]thiadiazole-Based Nonfullerene Acceptors: Effect of Substituents on the Thiophene Unit on Properties and Photovoltaic Characteristics. <i>ACS Omega</i> , 2018 , 3, 5814-5824	3.9	4
95	Synthesis and Field-Effect Transistor Application of π -Extended Lactam-Fused Conjugated Oligomers obtained by Tandem Direct Arylation. <i>Chemistry - A European Journal</i> , 2018 , 24, 14137-14145	4.8	6
94	Three-dimensional π -conjugated compounds as non-fullerene acceptors in organic photovoltaics: the influence of acceptor unit orientation at phase interfaces on photocurrent generation efficiency. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3932-3938	13	19
93	Tetraalkoxyphenanthrene-Fused Thiadiazoloquinoxalines: Synthesis, Electronic, Optical, and Electrochemical Properties, and Self-Assembly. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3132-3143	4.2	8
92	Influence of the perfluoroalkyl chain length in buckminsterfullerene derivatives for the field-effect transistor performances. <i>Journal of Fluorine Chemistry</i> , 2017 , 193, 52-57	2.1	2
91	Influence of Terminal Imide Units on Properties and Photovoltaic Characteristics for Benzothiadiazole-based Nonfullerene Acceptors. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2017 , 30, 557-560	0.7	6
90	Synthesis, properties, and photovoltaic characteristics of p-type donor copolymers having fluorine-substituted benzodioxocyclohexene-annulated thiophene. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19773-19780	13	8
89	Tetraalkoxyphenanthrene-Fused Hexadecadehydro[20]- and Tetracosadehydro[30]annulenes: Syntheses, Aromaticity/Antiaromaticity, Electronic Properties, and Self-Assembly. <i>Journal of Organic Chemistry</i> , 2017 , 82, 8882-8896	4.2	8
88	Synthesis of Dibenzo[h,rst]pentaphenes and Dibenzo[fg,qr]pentacenes by the Chemoselective C-O Arylation of Dimethoxyanthraquinones. <i>Organic Letters</i> , 2017 , 19, 3791-3794	6.2	8
87	Development of donor-acceptor copolymers based on dioxocycloalkene-annulated thiophenes as acceptor units for organic photovoltaic materials. <i>Polymer Journal</i> , 2017 , 49, 13-22	2.7	11
86	Synthesis and Properties of Novel Organic Components Toward Molecular Architectonics. <i>Advances in Atom and Single Molecule Machines</i> , 2017 , 513-539	0	1
85	Electron-Accepting π -Conjugated Molecules with Fluorine-Containing Dicyanovinylidene as Terminal Groups: Synthesis, Properties, and Semiconducting Characteristics. <i>Organic Letters</i> , 2016 , 18, 4320-3	6.2	9
84	Fine structures of organic photovoltaic thin films probed by frequency-shift electrostatic force microscopy. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 070305	1.4	6
83	Insulated Oligothiophenes 2016 , 117-139		
82	Electron-Accepting π -Conjugated Systems for Organic Photovoltaics: Influence of Structural Modification on Molecular Orientation at Donor-Acceptor Interfaces. <i>Chemistry of Materials</i> , 2016 , 28, 1705-1713	9.6	49
81	Design and Development of New Functional Units towards Single-Molecule Electronics. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016 , 74, 676-688	0.2	1
80	Naphtho[1,2-c:5,6-c']bis[1,2,5]thiadiazole-Containing π -Conjugated Compound: Nonfullerene Electron Acceptor for Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2016 , 26, 1161-1168	15.6	37
79	Synthesis, Properties, and Photovoltaic Performance of a Donor-Acceptor Copolymer Having Pyradinobisthiazole as the Acceptor Unit. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2016 , 29, 571-574	0.7	1

78	Decay of the Exciton in Quaterthiophene-Terminated Alkanethiolate Self-Assembled Monolayers on Au(111). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7400-7407	3.8	16
77	Pyradinodithiazole: An Electron-Accepting Monomer Unit for Hole-Transporting and Electron-Transporting Conjugated Copolymers. <i>Organic Letters</i> , 2015 , 17, 4580-3	6.2	15
76	Thiophene-based Tripodal Anchor Units for Hole Transport in Single-Molecule Junctions with Gold Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3754-9	6.4	25
75	Electron-Deficient Conjugated Heteroaromatics 2015 , 411-443		
74	Electron-accepting π -Conjugated Systems Based on Cyclic Imide and Cyano-substituted Benzothiadiazole for Non-fullerene Organic Photovoltaics. <i>Chemistry Letters</i> , 2015 , 44, 694-696	1.7	6
73	Synthesis, Properties, and π -Dimer Formation of Oligothiophenes Partially Bearing Orthogonally Fused Fluorene Units. <i>Chemistry - A European Journal</i> , 2015 , 21, 16688-95	4.8	12
72	A series of π -extended thiadiazoles fused with electron-donating heteroaromatic moieties: synthesis, properties, and polymorphic crystals. <i>Chemistry - A European Journal</i> , 2015 , 21, 3115-28	4.8	24
71	Synthesis, properties, and semiconducting characteristics of electron-transporting three-dimensional π -conjugated compounds containing dicyanomethylene-substituted difluorocyclopenta[b]thiophene. <i>Journal of Fluorine Chemistry</i> , 2015 , 174, 75-80	2.1	3
70	Electron-donor function of methanofullerenes in donor-acceptor bulk heterojunction systems. <i>Chemical Communications</i> , 2014 , 50, 4123-5	5.8	20
69	N-phenyl[60]fulleropyrrolidines: alternative acceptor materials to PC61BM for high performance organic photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20889-20895	13	26
68	Solution-processable n-Type Semiconducting Materials Containing a Carbonyl-bridged Thiazole-fused π -System. <i>Chemistry Letters</i> , 2014 , 43, 1640-1642	1.7	5
67	Synthesis, properties, and n-type transistor characteristics of π -conjugated compounds having a carbonyl-bridged thiazole-fused polycyclic system. <i>Chemistry - A European Journal</i> , 2014 , 20, 16509-15	4.8	6
66	Enhanced Photovoltaic Performance of Amorphous Copolymers Based on Dithienosilole and Dioxocycloalkene-annelated Thiophene. <i>Chemistry of Materials</i> , 2014 , 26, 6971-6978	9.6	30
65	Three-dimensional electron-accepting compounds containing perylene bis(dicarboximide)s as n-type organic photovoltaic materials. <i>Chemical Communications</i> , 2013 , 49, 8386-8	5.8	20
64	Low band-gap donor-acceptor copolymers based on dioxocyclopenta[c]thiophene derivatives as acceptor units: synthesis, properties, and photovoltaic performances. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15000	13	8
63	Synthesis and properties of a benzo[1,2-b:4,5-b']dithiophene core π -system that bears alkyl, alkylthio and alkoxy groups at 3,7-positions. <i>RSC Advances</i> , 2013 , 3, 12356	3.7	13
62	Arenedithiocarboxyimide-containing extended π -conjugated systems with high electron affinity. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5373	7.1	28
61	Energy Level Modulation of HOMO, LUMO, and Band-Gap in Conjugated Polymers for Organic Photovoltaic Applications. <i>Advanced Functional Materials</i> , 2013 , 23, 439-445	15.6	125

60	Buckminsterfullerene derivatives bearing a fluoroalkyl group for use in organic photovoltaic cells. <i>Journal of Fluorine Chemistry</i> , 2012 , 144, 51-58	2.1	12
59	Characterization of Si etching with N-fluoropyridinium salt. <i>Current Applied Physics</i> , 2012 , 12, S29-S32	2.6	2
58	Encapsulated oligothiophenes having electron-affinity characteristics. <i>Chemical Communications</i> , 2012 , 48, 540-2	5.8	8
57	Functional oligothiophenes toward molecular wires in single-molecular electronics. <i>Pure and Applied Chemistry</i> , 2012 , 84, 931-943	2.1	11
56	Extended thiadiazoles fused with thienopyrrole or indole moieties: synthesis, structures, and properties. <i>Journal of Organic Chemistry</i> , 2012 , 77, 7595-606	4.2	35
55	Air-Stable n-Type Organic Field-Effect Transistors Based on 4,9-Dihydro-s-indaceno[1,2-b:5,6-b']dithiazole-4,9-dione Unit. <i>Chemistry of Materials</i> , 2012 , 24, 3285-3293	9.6	40
54	Short synthesis of alkyl-substituted acenes using carbonyl-directed C-H and C-O functionalization. <i>Organic Letters</i> , 2012 , 14, 3882-5	6.2	25
53	Synthesis, Properties, and Photovoltaic Performances of Donor-Acceptor Copolymers Having Dioxocycloalkene-Annelated Thiophenes As Acceptor Monomer Units. <i>Macromolecules</i> , 2012 , 45, 4564-4571	5.5	55
52	Synthesis, Properties, and Photovoltaic Performance of Copolymers Based on Difluorodioxocyclopentene-Annelated Thiophene. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 10NC08	1.4	1
51	Development of π -Conjugated Systems Bearing Annelated-Structure with Electronegative Substituents and Their Application to n-Type Organic Field-Effect Transistor. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2012 , 70, 24-35	0.2	
50	Branched polythiophene as a new amorphous semiconducting polymer for an organic field-effect transistor. <i>Semiconductor Science and Technology</i> , 2011 , 26, 034004	1.8	5
49	Convenient Synthesis of Dibenzo[a,h]anthracenes and Picenenes via C-H Arylation of Acetophenones with Arenediboronates. <i>Chemistry Letters</i> , 2011 , 40, 300-302	1.7	35
48	Synthesis and Properties of Polymer Having Electronegative Terthiophene Pendants Based on Cyclopenta[c]thiophene. <i>Chemistry Letters</i> , 2011 , 40, 1039-1040	1.7	11
47	Synthesis of Tripodal-anchor Units Having Pyridine or Amine Functional Groups and Their Adsorption Behavior on Metal Electrodes. <i>Chemistry Letters</i> , 2011 , 40, 204-205	1.7	9
46	Electron-transporting oligothiophenes containing dicyanomethylene-substituted cyclopenta[b]thiophene: chemical tuning for air stability in OFETs. <i>Journal of Organic Chemistry</i> , 2011 , 76, 6604-10	4.2	25
45	Solution-processable n-type organic field-effect transistor (OFET) materials based on carbonyl-bridged bithiazole and dioxocyclopentene-annelated thiophenes. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2352-61	4.5	13
44	Completely Encapsulated Oligothiophenes: Synthesis, Properties, and Single-Molecule Conductance. <i>Angewandte Chemie</i> , 2011 , 123, 12186-12190	3.6	12
43	Completely encapsulated oligothiophenes: synthesis, properties, and single-molecule conductance. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11980-4	16.4	40

42	Inside Cover: Completely Encapsulated Oligothiophenes: Synthesis, Properties, and Single-Molecule Conductance (Angew. Chem. Int. Ed. 50/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11806-11806	16.4	1
41	Air-stable n-type organic field-effect transistors based on solution-processable, electronegative oligomers containing dicyanomethylene-substituted cyclopenta[b]thiophene. <i>Chemistry - A European Journal</i> , 2011 , 17, 4750-8	4.8	22
40	The frontiers of quinoidal stability in long oligothiophenes: Raman spectra of dicationic polaron pairs. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16350-3	16.4	51
39	Nature of electron transport by pyridine-based tripodal anchors: potential for robust and conductive single-molecule junctions with gold electrodes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3014-22	16.4	87
38	Physical Properties, Charge Carrier Mobility, and Photovoltaic Performance of Dendritic Oligothiophene Bearing Naphthalene Bis(dicarboximide) Groups. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 01AC03	1.4	1
37	Air-Stable n-Type Organic Field-Effect Transistors Based on Carbonyl-Bridged Bithiazole Derivatives. <i>Advanced Functional Materials</i> , 2010 , 20, 907-913	15.6	71
36	Solution-processed n-type organic field-effect transistors based on electronegative oligothiophenes having fully oxo-substituted terthiophenes. <i>Organic Electronics</i> , 2010 , 11, 1740-1745	3.5	13
35	N-channel organic field-effect transistors containing carbonyl-bridged bithiazole derivative fabricated using polyfluorene derivatives as solution-processed buffer layers. <i>Organic Electronics</i> , 2010 , 11, 1886-1890	3.5	10
34	Comprehensive Evaluation of Electron Mobility for a Trifluoroacetyl-Terminated Electronegative Conjugated Oligomer. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17189-17193	3.8	25
33	Photovoltaic performance and charge carrier mobility of dendritic oligothiophene bearing perylene bis(dicarboximide) groups. <i>Synthetic Metals</i> , 2009 , 159, 797-801	3.6	10
32	Synthesis, properties, and FET performance of rectangular oligothiophene. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8169		12
31	Completely encapsulated oligothiophenes up to 12-mer. <i>Chemical Communications</i> , 2009 , 3020-2	5.8	42
30	Dendritic oligothiophene bearing perylene bis(dicarboximide) groups as an active material for photovoltaic device. <i>Chemical Communications</i> , 2009 , 1213-5	5.8	24
29	Synthesis of tripodal anchor units bearing selenium functional groups and their adsorption behaviour on gold. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 4949-51	3.6	25
28	Electronegative Oligothiophenes Having Difluorodioxocyclopentene-annelated Thiophenes as Solution-processable n-Type OFET Materials. <i>Chemistry Letters</i> , 2009 , 38, 460-461	1.7	16
27	Electronegative oligothiophenes fully annelated with hexafluorocyclopentene: synthesis, properties, and intrinsic electron mobility. <i>Organic Letters</i> , 2008 , 10, 1095-8	6.2	28
26	Perfluoroalkyl-annelated conjugated systems toward n-type organic semiconductors. <i>Pure and Applied Chemistry</i> , 2008 , 80, 589-597	2.1	28
25	Development of Electron-transporting Conjugated Oligomers Based on Fluorination Reactions and Their Application to Organic Field-effect Transistors. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2008 , 66, 504-514	0.2	3

24	Electronegative oligothiophenes based on difluorodioxocyclopentene-annelated thiophenes: synthesis, properties, and n-type FET performances. <i>Organic Letters</i> , 2008 , 10, 833-6	6.2	76
23	Synthesis of 10-nm scale oligothiophene molecular wires bearing anchor units at both terminal positions. <i>Journal of Organic Chemistry</i> , 2007 , 72, 2659-61	4.2	25
22	Electronegative oligothiophenes for n-type semiconductors: difluoromethylene-bridged bithiophene and its oligomers. <i>Organic Letters</i> , 2007 , 9, 2115-8	6.2	70
21	Electrical Conductance Measurement of Oligothiophene Molecular Wires Using Nanogap Electrodes Prepared by Electrochemical Plating. <i>Chemistry Letters</i> , 2007 , 36, 224-225	1.7	13
20	Ambipolar Characteristics of Dendritic Oligothiophene/Fullerene Linkage Molecules. <i>Chemistry Letters</i> , 2007 , 36, 544-545	1.7	10
19	Synthesis, Properties, and Structures of Difluoromethylene-bridged Coplanar-Terphenyl and Its Aryl-capped Derivatives for Electron-transporting Materials. <i>Chemistry Letters</i> , 2007 , 36, 1326-1327	1.7	20
18	Synthesis of dendritic oligothiophenes and their self-association properties by intermolecular pi-pi interactions. <i>Organic Letters</i> , 2007 , 9, 829-32	6.2	32
17	Molecular fluorescence from H2TBP porphyrin film on Ag substrate excited by tunneling electrons. <i>Ultramicroscopy</i> , 2006 , 106, 785-8	3.1	7
16	Plasmon-enhanced molecular fluorescence from an organic film in a tunnel junction. <i>Applied Physics Letters</i> , 2006 , 88, 061901	3.4	36
15	Electronegative oligothiophenes based on a hexafluorocyclopentene-annelated thiophene unit. <i>Organic Letters</i> , 2006 , 8, 5381-4	6.2	32
14	Thieno[3,4-d]imidazolium-containing Molecular Wire: Switching Behavior of Photoinduced Intramolecular Electron Transfer. <i>Chemistry Letters</i> , 2006 , 35, 1366-1367	1.7	9
13	Rhodium-catalyzed C-H/CO/olefin coupling reactions? A chelation-assisted direct carbonylation at the ortho C-H bond in the benzene ring of 2-arylpyridines. <i>Canadian Journal of Chemistry</i> , 2005 , 83, 755-763	0.9	27
12	Photophysical properties of oligo(2,3-thienyleneethynylene)s. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 10695-8	3.4	7
11	Effect of substituents on charge carrier dynamics in thiophene oligomers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 173, 161-168	4.7	7
10	Scanning Tunneling Microscope (STM)-Excited Molecular Fluorescence from Porphyrin Thin Films. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L566-L569	1.4	13
9	Ruthenium- and rhodium-catalyzed direct carbonylation of the ortho C-H bond in the benzene ring of N-arylpyrazoles. <i>Journal of Organic Chemistry</i> , 2004 , 69, 4433-40	4.2	72
8	The ruthenium-catalyzed reductive decarboxylation of esters: catalytic reactions involving the cleavage of acyl-oxygen bonds of esters. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4849-50	16.4	67
7	Direct carbonylation at a C-H bond in the benzene ring of 2-phenyloxazolines catalyzed by Ru(3)(CO)(12). Scope, limitations, and mechanistic aspects. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1475-88	4.2	66

6	A new benchmark for the non-enzymatic enantioselective acylation of amines: use of a planar-chiral derivative of 4-pyrrolidinopyridine as the acylating agent. <i>Chemical Communications</i> , 2000 , 119-120	5.8	55
5	Ru ₃ (CO) ₁₂ -Catalyzed Intermolecular Cyclocoupling of Ketones, Alkenes or Alkynes, and Carbon Monoxide. [2 + 2 + 1] Cycloaddition Strategy for the Synthesis of Functionalized β -Butyrolactones. <i>Journal of the American Chemical Society</i> , 2000 , 122, 12663-12674	16.4	76
4	Ru ₃ (CO) ₁₂ -Catalyzed Decarbonylative Cleavage of a C \equiv C Bond of Alkyl Phenyl Ketones. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8645-8646	16.4	140
3	Ru ₃ (CO) ₁₂ - and Rh ₄ (CO) ₁₂ -Catalyzed Reactions of Pyridylolefins or N-(2-Pyridyl)enamines with CO and Olefins. Carbonylation at Olefinic C \equiv C Bonds. <i>Journal of Organic Chemistry</i> , 1998 , 63, 5129-5136	4.2	46
2	Ru ₃ (CO) ₁₂ -Catalyzed Reaction of Pyridylbenzenes with Carbon Monoxide and Olefins. Carbonylation at a C-H Bond in the Benzene Ring. <i>Journal of Organic Chemistry</i> , 1997 , 62, 2604-2610	4.2	129
1	Tetrazolo[1,5-a]pyridine-Containing π -Conjugated Systems: Synthesis, Properties, and Semiconducting Characteristics. <i>Organic Letters</i> ,	6.2	