

No.	Description
100	Chouwatat, P., Nojima, S., Higaki, Y., Kojio, K., Hirai, T., Kotaki, M. and Takahara, A. (2016) An effect of surface segregation of polyhedral oligomeric silsesquioxanes on surface physical properties of acrylic hard coating materials, <i>Polymer (United Kingdom)</i> , 84, 81-88. DOI: 10.1016/j.polymer.2015.12.037
99	Ida, S. (2015) Development of Light Energy Conversion Materials Using Two-Dimensional Inorganic Nanosheets, <i>Bulletin of the Chemical Society of Japan</i> , 88 (12), 1619-1628. DOI: 10.1246/bcsj.20150183
98	Inoue, M., Serevičius, T., Nakanotani, H., Yoshida, K., Matsushima, T., Juršenas, S. and Adachi, C. (2016) Effect of reverse intersystem crossing rate to suppress efficiency roll-off in organic light-emitting diodes with thermally activated delayed fluorescence emitters, <i>Chemical Physics Letters</i> , 644, 62-67. DOI: 10.1016/j.cplett.2015.11.042
97	White, K.L., Hawkins, S., Miyamoto, M., Takahara, A. and Sue, H.-J. (2015) Effects of aspect ratio and concentration on rheology of epoxy suspensions containing model plate-like nanoparticles, <i>Physics of Fluids</i> , 27 (12), 123306. DOI: 10.1063/1.4937145
96	Ribierre, J.-C., Zhao, L., Inoue, M., Schwartz, P.-O., Kim, J.-H., Yoshida, K., Sandanayaka, A.S.D., Nakanotani, H., Mager, L., Méry, S. and Adachi, C. (2016) Low threshold amplified spontaneous emission and ambipolar charge transport in non-volatile liquid fluorene derivatives, <i>Chemical Communications</i> , 52 (15), 3103-3106. DOI: 10.1039/c5cc08331a
95	Schiller, J.A., Wagner, L.K. and Ertekin, E. (2015) Phase stability and properties of manganese oxide polymorphs: Assessment and insights from diffusion Monte Carlo, <i>Physical Review B - Condensed Matter and Materials Physics</i> , 92 (23), 235209-. DOI: 10.1103/PhysRevB.92.235209
94	White, K.L., Yao, H., Zhang, X. and Sue, H.-J. (2016) Rheology of electrostatically tethered nanoplatelets and multi-walled carbon nanotubes in epoxy, <i>Polymer (United Kingdom)</i> , 84, 223-233. DOI: 10.1016/j.polymer.2015.12.043
93	Lin, X.X., Ma, W., Wu, H., Cao, S.L., Huang, L.L., Chen, L.H., and Takahara, A. (2016) Superhydrophobic magnetic poly(DOPAm-co-PFOEA)/Fe ₃ O ₄ /cellulose microspheres for stable liquid marbles, <i>Chemical Communications</i> , 52 (9), 1895-1898. DOI: 10.1039/C5CC08842A
92	Yu, J., Wagner, L.K. and Ertekin, E. (2015) Towards a systematic assessment of errors in diffusion Monte Carlo calculations of semiconductors: Case study of zinc selenide and zinc oxide, <i>Journal of Chemical Physics</i> , 143 (22), 224707-. DOI: 10.1063/1.4937421
91	Kabe, R., Notsuka, N., Yoshida, K. and Adachi, C. (2016) Afterglow Organic Light-Emitting Diode, <i>Advanced Materials</i> , 28 (4), 655-660. DOI: 10.1002/adma.201504321
90	Chen, K., Hyodo, J., Ai, N., Ishihara, T. and Jiang, S.P. (2016) Boron deposition and poisoning of La _{0.8} Sr _{0.2} MnO ₃ oxygen electrodes of solid oxide electrolysis cells under accelerated operation conditions, <i>International Journal of Hydrogen Energy</i> , 41 (3), 1419-1431. DOI: 10.1016/j.ijhydene.2015.11.013
89	Qin, C., Matsushima, T., Fujihara, T., Potsavage, W.J. and Adachi, C. (2016) Degradation

	Mechanisms of Solution-Processed Planar Perovskite Solar Cells: Thermally Stimulated Current Measurement for Analysis of Carrier Traps, <i>Advanced Materials</i> , 28 (3), 466-471. DOI: 10.1002/adma.201502610
88	Shizu, K., Noda, H., Tanaka, H., Taneda, M., Uejima, M., Sato, T., Tanaka, K., Kaji, H. and Adachi, C. (2015) Highly Efficient Blue Electroluminescence Using Delayed-Fluorescence Emitters with Large Overlap Density between Luminescent and Ground States, <i>Journal of Physical Chemistry C</i> , 119 (47), 26283-26289. DOI: 10.1021/acs.jpcc.5b07798
87	Staykov, A., Téllez, H., Akbay, T., Druce, J., Ishihara, T. and Kilner, J. (2015) Oxygen Activation and Dissociation on Transition Metal Free Perovskite Surfaces, <i>Chemistry of Materials</i> , 27 (24), 8273-8281. DOI: 10.1021/acs.chemmater.5b03263
86	Kitamoto, K. and Sakai, K. (2016) Photochemical H ₂ evolution from water catalyzed by a dichloro(diphenylbipyridine)platinum(ii) derivative tethered to multiple viologen acceptors, <i>Chemical Communications</i> , 52 (7), 1385-1388. DOI: 10.1039/c5cc08044d
85	Ogata, Y., Kawaguchi, D. and Tanaka, K. (2015) The Impact of Polymer Dynamics on Photoinduced Carrier Formation in Films of Semiconducting Polymers, <i>Journal of Physical Chemistry Letters</i> , 6 (23), 4794-4798. DOI: 10.1021/acs.jpcclett.5b02255
84	Inutsuka, M., Horinouchi, A. and Tanaka, K. (2015) Aggregation States of Polymers at Hydrophobic and Hydrophilic Solid Interfaces, <i>ACS Macro Letters</i> , 4 (10), 1174-1178. DOI: 10.1021/acsmacrolett.5b00592
83	Hirata, T., Matsuno, H., Kawaguchi, D., Yamada, N.L., Tanaka, M., Tanaka, K. (2015) Construction of a blood-compatible interface based on surface segregation in a polymer blend, <i>Polymer (United Kingdom)</i> , 78, 219-224. DOI: 10.1016/j.polymer.2015.10.001
82	Hiraga, Y., Nishide, J.-I., Nakanotani, H., Aonuma, M. and Adachi, C. (2015) High-efficiency sky-blue organic light-emitting diodes utilizing thermally-activated delayed fluorescence, <i>IEICE Transactions on Electronics</i> , E98C (10), 971-976. DOI: 10.1587/transele.E98.C.971
81	Ju, Y., Yoo, S., Guo, L., Kim, C., Inoishi, A., Jeong, H., Shin, J., Ishihara, T., Yim, S., Kim, G. (2015) Honeycomb-like Perovskite Oxide Electrocatalyst for a hybrid Li-Air Battery, <i>Journal of The Electrochemical Society</i> , 162 (14), A2651-A2655. DOI: 10.1149/2.0311514jes
80	Higaki, Y., Suzuki, K., Oniki, Y., White, K.L., Ohta, N. and Takahara, A. (2015) Molecular aggregation structure evolution during stretching of environmentally benign lysine-based segmented poly(urethane-urea)s, <i>Polymer (United Kingdom)</i> , 78, 173-179. DOI: 10.1016/j.polymer.2015.10.002
79	Kaji, H., Suzuki, H., Fukushima, T., Shizu, K., Suzuki K., Kubo S., Komino, T., Oiwa, H., Suzuki, F., Wakayama, Y., Murata, Y. and Adachi, C. (2015) Purely organic electroluminescent material realizing 100% conversion from electricity to light, <i>Nature Communications</i> , 6, 8476. DOI: 10.1038/ncomms9476
78	Ershad Halim, M., Bandyopadhyay, A., Sun, L., Tao, K., Sangvikar, Y.S., Miyazaki, T., Watanabe, M., Ideta, K., Matsumoto, T., Goto, K. and Shinmyozu, T. (2015) Synthesis of bromo- and iodo-substituted pyromellitic diimide-based [2+2]- and [3+3]macrocycles, and their

	absorption spectra and electrochemical and inclusion properties, <i>Tetrahedron Letters</i> , 56 (50), 6970-6974. DOI: 10.1016/j.tetlet.2015.10.070
77	Ishihara, T. and Iwata, J. (2016) Effects of additives on RuO ₂ (10 wt%)/La _{0.6} Sr _{0.4} CoO ₃ anode for increasing sensitivity of solid oxide amperometric CO Sensor, <i>Sensor and Actuators B: Chemical</i> , 223, 535-539. DOI: 10.1016/j.snb.2015.09.069
76	Hosoi, K., Sakai, T., Ida, S. and Ishihara, T. (2015) Effects of Ce _{0.6} Mn _{0.3} Fe _{0.1} O _{2-δ} Interlayer on Electrochemical Properties of Microtubular SOFC Using Doped LaGaO ₃ Electrolyte, <i>Journal of the Electrochemical Society</i> , 162 (12), F1379-F1383. DOI: 10.1149/2.0681512jes
75	Tao, D., Higaki, Y., Ma, W. and Takahara, A. (2015) Halloysite Nanotubes/Polyelectrolyte Hybrids as Adsorbents for Quick Removal of Dyes from Aqueous Solution, <i>Chemistry Letters</i> , 44 (11), 1572-1574. DOI: 10.1246/cl.150727
74	Watanabe, M., Hagiwara, H., Ogata, Y., Staykov, A., Bishop, S.R., Perry, N.H., Chang, Y. J., Ida, S., Tanaka, K. and Ishihara, T. (2015) Impact of alkoxy chain length on carbazole-based, visible light-driven, dye sensitized photocatalytic hydrogen production, <i>Journal of Materials Chemistry A</i> , 3 (43), 21713-21721. DOI: 10.1039/C5TA04991A
73	Zheng, Y. Q., Zhang, J., Yang, F., Komino, T., Wei, B., Zhang, J., Wang, Z., Pu, W., Yang, C., Adachi, C. (2015) Influence of deposition substrate temperature on the morphology and molecular orientation of chloroaluminum phthalocyanine films as well the performance of organic photovoltaic cells, <i>Nanotechnology</i> , 26 (40), 405202. DOI: 10.1088/0957-4484/26/40/405202
72	Matsumoto, K., Shundo, A., Ohno, M., Saruhashi, K., Miyachi, N., Tsuruzoe, N., Tanaka, K. (2015) Sol-gel transition accelerated by the co-assembly of two components in supramolecular hydrogels, <i>Physical Chemistry Chemical Physics</i> , 17 (40), 26724-26730. DOI: 10.1039/C5CP04800A
71	Higaki, Y., Nishida, J., Takenaka, A., Yoshimatsu, R., Kobayashi, M. and Takahashi, A. (2015) Versatile inhibition of marine organism settlement by zwitterionic polymer brushes, <i>Polymer Journal</i> , 47 (12), 811-818. DOI: 10.1038/pj.2015.77
70	Chen, Z., Liu, J., Qi, Y., Chen, D., Hsu, S.-L., Damodaran, A.R., He, X., N'Diaye, A.T., Rockett, A. and Martin, L.W. (2015) 180° Ferroelectric Stripe Nanodomains in BiFeO ₃ Thin Films, <i>Nano Letters</i> , 15 (10), 6506-6513. DOI: 10.1021/acs.nanolett.5b02031
69	Kim, Y.-Y., Ree, B.J., Kido, M., Ko, Y.-G., Ishige, R., Hirai, T., Wi, D., Kim, J., Kim, W.J., Takahara, A. and Ree, M. (2015) High-Performance n-Type Electrical Memory and Morphology-Induced Memory-Mode Tuning of a Well-Defined Brush Polymer Bearing Perylene Diimide Moieties, <i>Advanced Electronic Materials</i> , 1 (10), UNSP 1500197. DOI: 10.1002/aelm.201500197
68	Nakamura, H., Noh, S.-H., Kuribayashi, M. and Adachi, C. (2015) Influence of the atmosphere on organic-organic interfacial layers and deterioration in organic light-emitting diodes, <i>Journal of the Society for Information Display</i> , 23 (3), 129-137. DOI: 10.1002/jsid.318
67	Daio, T., Staykov, A., Guo, L., Liu, J., Tanaka, M., Lyth, S. and Sasaki, K. (2015) Lattice Strain

	Mapping of Platinum Nanoparticles on Carbon and SnO ₂ Supports, <i>Scientific Reports</i> , 5, 13126. DOI: 10.1038/srep13126
66	Fujii, S., Kido, M., Sato, M., Higaki, Y., Hirai, T., Ohta, N., Kojio, K. and Takahara, A. (2015) pH-Responsive and selective protein adsorption on an amino acid-based zwitterionic polymer surface, <i>Polymer Chemistry</i> , 6 (39), 7053-7059. DOI: 10.1039/C5PY00783F
65	Yamamoto, K., Kitamoto, K., Yamauchi, K. and Sakai, K. (2015) Pt(II)-Catalyzed photosynthesis for H ₂ evolution cycling between singly and triply reduced species, <i>Chemical Communications</i> , 51 (77), 14516-14519. DOI: 10.1039/c5cc03558a
64	Zhao, L., Inoue, M., Yoshida, K., Sandanayaka, A.S.D., Kim, J.-H., Ribierre, J.-C. and Adachi, C. (2016) Singlet-Triplet Exciton Annihilation Nearly Suppressed in Organic Semiconductor Laser Materials Using Oxygen as a Triplet Quencher, <i>IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS</i> , 22 (1), 1300409. DOI: 10.1109/JSTQE.2015.2473138
63	Watanabe, M., Doi, Y., Hagiwara, H., Staykov, A.T., Ida, S., Matsumoto, T., Shinmyozu, T. and Ishihara, T. (2015) Synthesis and Investigation of the Effect of Substitution on the Structure, Physical Properties, and Electrochemical Properties of Anthracenodifuran Derivatives, <i>Journal of Organic Chemistry</i> , 80 (18), 9159-9166. DOI: 10.1021/acs.joc.5b01525
62	Shizu, K., Lee, J., Tanaka, H., Nomura, H., Yasuda, T., Kaji, H. and Adachi, C. (2015) Highly efficient electroluminescence from purely organic donor-acceptor systems, <i>Pure and Applied Chemistry</i> , 87 (7), 627-638. DOI: 10.1515/pac-2015-0301
61	Fujimoto, H., Yahiro, M., Kawashima, T., Konno, K., Chen, Q., Sawaya, K., Kawakami, S. and Adachi, C. (2015) Improvement in the light outcoupling efficiency of organic light-emitting diodes using a hemispherical lens and a multipatterned one-dimensional photonic crystal fabricated by autocloning, <i>Applied Physics Express</i> , 8 (8), 082102. DOI: 10.7567/APEX.8.082102
60	Kee, Y., Dimov, N., Staykov, A., Barpanda, P., Lu, Y.-C., Minami, K. and Okada, S. (2015) Insight into the limited electrochemical activity of NaVP ₂ O ₇ , <i>RSC Advances</i> , 5, 64991-64996. DOI: 10.1039/C5RA12158B
59	Nakanotani, H., Furukawa, T., Adachi, C. (2015) Light Amplification in an Organic Solid-State Film with the Aid of Triplet-to-Singlet Upconversion, <i>Advanced Optical Materials</i> , 3 (10), 1381-1388. DOI: 10.1002/adom.201500236
58	Matsushima, T., Fujihara, T., Qin, C., Terakawa, S., Esaki, Y., Hwang, S., Sandanayaka, A.S.D., Potscavage, W.J. and Adachi, C. (2015) Morphological control of organic-inorganic perovskite layers by hot isostatic pressing for efficient planar solar cells, <i>Journal of Materials Chemistry A</i> , 3 (34), 17780-17787. DOI: 10.1039/c5ta03796d
57	Hyun, J.E., Lee, P.-C. and Ishihara, T. (2015) Preparation and electrochemical properties of sulfur-polypyrrole composite cathodes for electric vehicle applications, <i>Electrochimica Acta</i> , 176, 887-892. DOI: 10.1016/j.electacta.2015.07.055
56	Yonehara, T., Goushi, K., Sawabe, T., Takasu, I. and Adachi, C. (2015) Comparison of transient state and steady state exciton-exciton annihilation rates based on Förster-type energy transfer,

	Japanese Journal of Applied Physics, 54, 071601. DOI: 10.7567/JJAP.54.071601
55	Jun, A., Yoo, S., Ju, Y.-W., Hyodo, J., Choi, S., Jeong, H. Y., Shin, J., Ishihara, T., Lim, T.-H. and Kim, G. (2015) Correlation between fast oxygen kinetics and enhanced performance in Fe doped layered perovskite cathode for solid oxide fuel cells, <i>Journal of Materials Chemistry A</i> , 3 (29), 15082-15090. DOI: 10.1039/C5TA02158H
54	Nandwana, D. and Ertekin, E. (2015) Lattice mismatch induced ripples and wrinkles in planar graphene/boron nitride superlattices, <i>Journal of Applied Physics</i> , 117, 234304. DOI: 10.1063/1.4922504
53	Jang, I.-C., Ida, S. and Ishihara, T. (2015) Lithium Depletion and the Rechargeability of Li-O ₂ Batteries in Ether and Carbonate Electrolytes, <i>ChemElectroChem</i> , 2 (9), 1380-1384. DOI: 10.1002/celec.201500110
52	Hirai, T., Sato, M., Kido, M., Nagae, Y., Kaetsu, K., Kiyoshima, Y., Fujii, S., Ohishi, T., White, K.L., Higaki, Y., Teraoka, Y., Nishibori, M., Kamitani, K., Hanada, K., Sugiyama, T., Sugimoto, R., Saigo, K., Kojio, K. and Takahara, A. (2015) X-ray absorption fine structure study on the role of solvent on polymerization of 3-hexylthiophene with solid FeCl ₃ particles, <i>Journal of Polymer Science, Part A: Polymer Chemistry</i> , 53 (18), 2075-2078. DOI: 10.1002/pola.27720
51	Hirata, T., Matsuno, H., Kawaguchi, D., Yamada, L. N., Tanaka, M. and Tanaka, K. (2015) Effect of Interfacial Structure on Bioinert Properties of Poly(2-methoxyethyl acrylate)/poly(methyl methacrylate) Blend Films in Water, <i>Physical Chemistry Chemical Physics</i> , 17 (26), 17399-17405. DOI: 10.1039/C5CP01972A
50	Matsuno, H., Matsuyama, R., Yamamoto, A. and Tanaka, K. (2015) Enhanced cellular affinity for poly(lactic acid) surfaces modified with titanium oxide, <i>Polymer Journal</i> , 47 (7), 505-512. DOI: 10.1038/pj.2015.30
49	Ishihara, T. (2015) Low Temperature Solid Oxide Fuel Cells Using LaGaO ₃ -based Oxide Electrolyte on Metal Support, <i>Journal of the Japan Petroleum Institute</i> , 58 (2), 71-78. DOI: 10.1627/jpi.58.71
48	Shinohara, T., Higaki, Y., Nojima, S., Masunaga, H., Ogawa, H., Okamoto, Y., Aoki, T. and Takahara, A. (2015) Molecular Aggregation States and Wetting Behavior of a Poly{2-(perfluorooctyl)ethyl acrylate} Brush-Immobilized Nano-imprinted Surface, <i>Polymer</i> , 69, 10-16. DOI: 10.1016/j.polymer.2015.05.042
47	Yoshida, M., Kondo, M., Torii, S., Sakai, K. and Masaoka, S. (2015) Oxygen Evolution Catalyzed by a Mononuclear Ruthenium Complex Bearing Pendant SO ₃ ⁻ Groups, <i>Angewandte Chemie - International Edition</i> , 54 (27), 7981-7984. DOI: 10.1002/anie.201503365
46	Jing, H., Higaki, Y., Ishikawa, T., White, K.L., Otsuka, H., Otsuka, H. and Takahara, A. (2015) Polyurethane Nanocomposites Reinforced with Surface Modified Halloysite Nanotubes, <i>Science of Advanced Materials</i> , 7 (5), 974-980. DOI: 10.1166/sam.2015.2040
45	Sato, M., Zheno, X., Hirai, T. and Takahara, A. (2015) Precise synthesis of poly(α -methylene- γ -butyrolactone) and evaluation of its characteristics, <i>Kobunshi Ronbunshu</i> , 72 (7), 447-452. DOI: 10.1295/koron.2014-0101

44	<p>Takenaka, S., Miyake, S., Uwai, S., Matsune, H. and Kishida, M. (2015) Preparation of Metal Oxide Nanofilms Using Graphene Oxide as a Template, <i>Journal of Physical Chemistry C</i>, 119 (22), 12445-12454. DOI: 10.1021/acs.jpcc.5b02447</p>
43	<p>Zhu, T. and Ertekin, E. (2015) Resolving anomalous strain effects on two-dimensional phonon flows: The cases of graphene, boron nitride, and planar superlattices, <i>Physical Review B - Condensed Matter and Materials Physics</i>, 91 (20), 205419. DOI: 10.1103/PhysRevB.91.205429</p>
42	<p>Chaianansutcharit, S., Hosoi, K., Hyodo, J., Ju, Y.-W. and Ishihara, T. (2015) Ruddlesden Popper oxides of $\text{LnSr}_3\text{Fe}_3\text{O}_{10-\delta}$ (Ln = La, Pr, Nd, Sm, Eu, and Gd) as active cathodes for low temperature solid oxide fuel cells, <i>Journal of Materials Chemistry A</i>, 3 (23), 12357-12366. DOI: 10.1039/C5TA01273B</p>
41	<p>Shin, T.H., Hagiwara, H., Ida, S. and Ishihara, T. (2015) RuO_2 nanoparticle-modified $(\text{Ce,Mn,Fe})\text{O}_2(\text{La,Sr})(\text{Fe,Mn})\text{O}_3$ composite oxide as an active anode for direct hydrocarbon type solid oxide fuel cells, <i>Journal of Power Sources</i>, 289, 138-145. DOI: 10.1016/j.jpowsour.2015.04.093</p>
40	<p>Oda, Y., Kawaguchi, D., Hirata, T., Yamada, N.L., Kanaoka, S., Aoshima, S. and Tanaka, K. (2015) Density profiles of well-defined poly(methyl 2-propenyl ether) (PMPE) near water interface, <i>Macromolecular Symposia</i>, 350 (1), 99-104. DOI: 10.1002/masy.201400031</p>
39	<p>Numata, M., Yasuda, T. and Adachi, C. (2015) High efficiency pure blue thermally activated delayed fluorescence molecules having 10H-phenoxaborin and acridan units, <i>Chemical Communications</i>, 51 (46), 9443-9446. DOI: 10.1039/c5cc00307e</p>
38	<p>Shizu, K., Sakai, Y., Tanaka, H., Hirata, S., Adachi, C. and Kaji, H. (2015) 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>, 3 (2), 108-113. DOI: 10.3169/mta.3.108</p>
37	<p>Hosoi, K., Hong, J.-E., Sakai, T., Ida, S. and Ishihara, T. (2015) Microtubular SOFC using doped LaGaO_3 electrolyte film prepared with dip coating method, <i>Nippon Seramikkusu Kyokai Gakujutsu Ronbunshi/Journal of the Ceramic Society of Japan</i>, 123 (1436), 182-186. DOI: 10.2109/jcersj2.123.182</p>
36	<p>Ishige, R., Higuchi, T., Jiang, X., Mita, K., Ogawa, H., Yokoyama, H., Takahara, A. and Jinnai, H. (2015) Structural analysis of microphase separated interface in an ABC-type triblock terpolymer by combining methods of Synchrotron-Radiation grazing incidence small-angle X-ray scattering and electron microtomography, <i>Macromolecules</i>, 48 (8), 2697-2705. DOI: 10.1021/ma502596a</p>
35	<p>Zheng, Y.-Q., Potscavage Jr., W.J., Zhang, J., Yasuda, T., Wei, B. and Adachi, C. (2015) Tetraphenyldibenzoperiflanthene as sensitizer for enhancing the performance in dinaphthothienothiophene-based photovoltaics with and without fullerene, <i>Synthetic Metals</i>, 205, 121-126. DOI: 10.1016/j.synthmet.2015.04.002</p>
34	<p>Yu, X., Huang, W., Li, M., Comberiate, T.M., Gong, S., Schutt-Aine, J.E. and Li, X. (2015) Ultra-</p>

	Small, High-Frequency, and Substrate-Immune Microtube Inductors Transformed from 2D to 3D, <i>Scientific Reports</i> , 5, 9661. DOI: 10.1038/srep09661
33	Yamauchi, K., and Sakai, K. (2015) A tricarboxylated PtCl(terpyridine) derivative exhibiting pH-dependent photocatalytic activity for H ₂ evolution from water, <i>Dalton Transactions</i> , 44 (18), 8685-8696. DOI: 10.1039/C5DT00425J
32	Sakai, T., Arakawa, K., Ogushi, M., Ishihara, T., Matsumoto, H. and Okuyama, Y. (2015) Atmosphere dependence of anode reaction of intermediate temperature steam electrolysis using perovskite type proton conductor, <i>Journal of Solid State Electrochemistry</i> , 19 (6), 1793-1798. DOI: 10.1007/s10008-015-2808-9
31	Chen, K., Hyodo, J., Dodd, A., Ai, N., Ishihara, T., Li, J. and Jiang, S.P. (2015) Chromium deposition and poisoning of La _{0.8} Sr _{0.2} MnO ₃ oxygen electrodes of solid oxide electrolysis cells, <i>Faraday Discussions</i> , 182, 457-476. DOI: 10.1039/C5FD00010F
30	Hirata, T., Matsuno, H., Kawaguchi, D., Hirai, T., Yamada, L. N., Tanaka, M. and Tanaka, K. (2015) Effect of Local Chain Dynamics on a Bio-inert Interface, <i>Langmuir</i> , 31 (12), 3661-3667. DOI: 10.1021/acs.langmuir.5b00258
29	Nakazono, T., Parent, A.R. and Sakai, K. (2015) Improving Singlet Oxygen Resistance during Photochemical Water Oxidation by Cobalt Porphyrin Catalysts, <i>Chemistry A European Journal</i> , 21 (18), 6723-6726. DOI: 10.1002/chem.201500716
28	Edura, T., Tsugita, K. and Adachi, C. (2015) Large-area deposition technology of high purity organic thin film by gas flow deposition, <i>Journal of the Vacuum Society of Japan</i> , 58 (3), 79-85. DOI: 10.3131/jvsj2.58.79
27	Inoishi, A., Hyodo, J., Kim, H., Sakai, T., Ida, S. and Ishihara, T. (2015) Low temperature operation of a solid-oxide Fe-air rechargeable battery using a La _{0.9} Sr _{0.1} Ga _{0.8} Mg _{0.2} O ₃ oxide ion conductor, <i>Journal of Materials Chemistry A</i> , 3 (16), 8260-8264. DOI: 10.1039/c4ta06780k
26	Hayashi, K., Nakanotani, H., Inoue, M., Yoshida, K., Mikhnenko, O., Nguyen, T.-Q. and Adachi, C. (2015) Suppression of roll-off characteristics of organic light-emitting diodes by narrowing current injection/transport area to 50 nm, <i>Applied Physics Letters</i> , 106 (9), 093301. DOI: 10.1063/1.4913461
25	Higaki, Y., Kabayama, H., Tao, D. and Takahara, A. (2015) Surface Functionalization of Electrospun Poly(butylene terephthalate) Fibers by Surface-Initiated Radical Polymerization, <i>Macromolecular Chemistry and Physics</i> , 216 (10), 1103-1108. DOI: 10.1002/macp.201500066
24	Wilson, R.B., Apgar, B.A., Hsieh, W.P., Martin, L.W. and Cahill, D.G. (2015) Thermal conductance of strongly bonded metal-oxide interfaces, <i>Physical Review B</i> , 91 (11), 115414. DOI: 10.1103/PhysRevB.91.115414
23	Ogata, Y., Kawaguchi, D. and Tanaka, K (2015) An Effect of Molecular Motion on Carrier Formation in a Poly(3-hexylthiophene) Film, <i>Scientific Reports</i> , 5, 8436. DOI: 10.1038/srep08436
22	Inoishi, A., Kim, H.-H., Sakai, T., Ju, Y.-W., Ida, S. and Ishihara, T. (2015) Discharge Performance of Solid-State Oxygen Shuttle Metal-Air Battery Using Ca-Stabilized ZrO ₂

	Electrolyte, <i>ChemSusChem</i> , 8 (7), 1264-1269. DOI: 10.1002/cssc.201403151
21	Furukawa, T., Nakanotani, H., Inoue, M. and Adachi, C. (2015) Dual enhancement of electroluminescence efficiency and operational stability by rapid upconversion of triplet excitons in OLEDs, <i>Scientific Reports</i> , 5, 8429-. DOI: 10.1038/srep08429
20	Zhang, C., Oda, Y., Kawaguchi, D., Kanaoka, S., Aoshima, S., Tanaka, K. (2015) Dynamic-driven surface segregation of a hydrophilic component in diblock copolymer films, <i>Chemistry Letters</i> , 44 (2), 166-168. DOI: 10.1246/cl.140924
19	Ishihara, T. (2015) Efficient Hydrogen Production by Using Unused Heat Energy, Steam Electrolysis, <i>Journal of The Surface Science Society of Japan</i> , 36 (2), 69-73. DOI: 10.1380/jsssj.36.69
18	Aoki, M., Kawaguchi, D., Ganbe, T., Sekine, N., Okamoto, K. and Tanaka, K. (2015) Glass Transition Temperature Determination for Polymers Using Europium Complex As a Fluorescence Probe, <i>Chemistry Letters</i> , 44 (5), 659-661. DOI: 10.1246/cl.150013
17	Taneda, M., Shizu, K., Tanaka, H. and Adachi, C. (2015) High efficiency thermally activated delayed fluorescence based on 1,3,5-tris(4-(diphenylamino)phenyl)-2,4,6-tricyanobenzene, <i>Chemical Communications</i> , 51 (24), 5028-5031. DOI: 10.1039/c5cc00511f
16	Higuchi, T., Nakanotani, H. and Adachi, C. (2015) High-Efficiency White Organic Light-Emitting Diodes Based on a Blue Thermally Activated Delayed Fluorescent Emitter Combined with Green and Red Fluorescent Emitters, <i>Advanced Materials</i> , 27 (12), 2019-2023. DOI: 10.1002/adma.201404967
15	Zhao, L., Komino, T., Inoue, M., Kim, J.-H., Ribierre, J.C. and Adachi, C. (2015) Horizontal molecular orientation in solution-processed organic light-emitting diodes, <i>Applied Physics Letters</i> , 106 (6), 063301. DOI: 10.1063/1.4907890
14	Wang, S. and Ishihara, T. (2015) Intermediate temperature CO ₂ electrolysis by using La _{0.9} Sr _{0.1} Ga _{0.8} Mg _{0.2} O ₃ oxide ion conductor, <i>ISIJ International</i> , 55 (2), 381-386. DOI: 10.2355/isijinternational.55.381
13	Inoue, M., Matsushima, T., Nakanotani, H. and Adachi, C. (2015) Introduction of oxygen into organic thin films with the aim of suppressing singlet-triplet annihilation, <i>Chemical Physics Letters</i> , 624, 43-46. DOI: 10.1016/j.cplett.2015.02.010
12	Zhang, Q., Tsang, D., Kuwabara, H., Hatae, Y., Li, B., Takahashi, T., Lee, S.Y., Yasuda, T. and Adachi, C. (2015) Nearly 100% Internal Quantum Efficiency in Undoped Electroluminescent Devices Employing Pure Organic Emitters, <i>Advanced Materials</i> , 27 (12), 2096-2100. DOI: 10.1002/adma.201405474
11	Watanabe, M., Chang, Y.J., Chou, P.-T., Staykov, A., Shibahara, M., Sako, K., Ishihara, T. and Chow, T.J. (2015) Synthesis and electronic properties of ferrocene-containing organic dyads, <i>Tetrahedron Letters</i> , 56 (12), 1548-1551. DOI: 10.1016/j.tetlet.2015.02.012
10	Kim, J.-H., Inoue, M., Zhao, L., Komino, T., Seo, S., Ribierre, J.-C. and Adachi, C. (2015) Tunable and flexible solvent-free liquid organic distributed feedback lasers, <i>Applied Physics Letters</i> , 106 (5), 053302-. DOI: 10.1063/1.4907323

9	Tao, D., Higaki, Y., Ma, W., Wu, H., Shinohara, T., Yano, T. and Takahara, A. (2015) Chain orientation in poly(glycolic acid)/halloysite nanotube hybrid electrospun fibers, <i>Polymer (United Kingdom)</i> , 60, 284-291. DOI: 10.1016/j.polymer.2015.01.048
8	Lee, J., Shizu, K., Tanaka, H., Nakanotani, H., Yasuda, T., Kaji, H. and Adachi, C. (2015) Controlled emission colors and singlet-triplet energy gaps of dihydrophenazine-based thermally activated delayed fluorescence emitters, <i>Journal of Materials Chemistry C</i> , 3, 2175-2181. DOI: 10.1039/C4TC02530J
7	Su, W.-T., Watanabe, M., Chang, Y.J., Chou, P.-T., Ghosh, A. and Chow, T.J. (2015) Cycloaddition of hexacene and fullerene[60], <i>Tetrahedron Letters</i> , 56 (9), 1092-1095. DOI: 10.1016/j.tetlet.2015.01.093
6	Tanaka, H., Shizu, K., Lee, J., and Adachi, C. (2015) Effect of atom substitution in chalcogenodiazole-containing thermally activated delayed fluorescence emitters on radiationless transition, <i>Journal of Physical Chemistry C</i> , 119 (6), 2948-2955. DOI: 10.1021/jp510751n
5	Shizu, K., Uejima, M., Nomura, H., Sato, T., Tanaka, K., Kaji, H. and Adachi, C. (2015) Enhanced electroluminescence from a thermally activated delayed-fluorescence emitter by suppressing nonradiative decay, <i>Physical Review Applied</i> , 3 (1), 014001. DOI: 10.1103/PhysRevApplied.3.014001
4	Peña Martin, P., Lying, J. and Rockett, A. (2015) Scanning tunneling spectroscopy of epitaxial silver indium diselenide, <i>Surface Science</i> , 636, 8-12. DOI: 10.1016/j.susc.2015.01.012
3	Chien, C.-T., Watanabe, M. and Chow, T.J. (2015) The synthesis of 2-halopentacenes and their charge transport properties, <i>Tetrahedron</i> , 71, 1668-1673. DOI: 10.1016/j.tet.2015.01.056
2	Lee, S.Y., Yasuda, T., Park, I.S. and Adachi, C. (2015) X-shaped benzoylbenzophenone derivatives with crossed donors and acceptors for highly efficient thermally activated delayed fluorescence, <i>Dalton Transactions</i> , 44 (18), 8356-8359. DOI: 10.1039/c4dt03608e
1	Sakai, Y., Sagara, Y., Nomura, H., Nakamura, N., Suzuki, Y., Miyazaki, H. and Adachi, C. (2015) Zinc complexes exhibiting highly efficient thermally activated delayed fluorescence and their application to organic light-emitting diodes, <i>Chemical Communications</i> , 51 (15), 3181-3184. DOI: 10.1039/c4cc09403d