Shinobu Itoh

List of Publications by Year in Descending Order

122 papers	3,771 citations	33 h-index	59 g-index
132 ext. papers	4,117 ext. citations	7.1 avg, IF	5.44 L-index

#	Paper	IF	Citations
122	Hydroxylation of Aliphatic and Aromatic C-H Bonds Catalyzed by Biomimetic Transition-metal Complexes. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2022**, 80, 506-516	0.2	
121	Recent progress in oxidation chemistry of high-valent ruthenium-oxo and osmium-oxo complexes and related species. *Coordination Chemistry Reviews*, **2022**, 466, 214536	23.2	1
120	C(sp)-H bond activation by the carboxylate-adduct of osmium tetroxide (OsO).. *Dalton Transactions*, **2021**,	4.3	2
119	Controlling the Reactivity of Copper(II) Acylperoxide Complexes. *Inorganic Chemistry*, **2021**, 60, 8554-8565	5.1	2
118	Oxygen Atom Insertion into the Osmium□Carbon Bond via an Organometallic Oxido□Osmium(V) Intermediate. *Organometallics*, **2021**, 40, 102-106	3.8	3
117	Dioxygen-Binding in Metalloproteins and Corresponding Models **2021**, 200-237		0
116	Hydroxylation of Unactivated C(sp)-H Bonds with -Chloroperbenzoic Acid Catalyzed by an Iron(III) Complex Supported by a Trianionic Planar Tetradentate Ligand. *Inorganic Chemistry*, **2021**, 60, 7641-7649	5.1	1
115	Revisiting Alkane Hydroxylation with m-CPBA (m-Chloroperbenzoic Acid) Catalyzed by Nickel(II) Complexes. *Chemistry - A European Journal*, **2021**, 27, 14730-14737	4.8	3
114	C(sp2)□H Iodination by a Rhodium(III) Complex Supported by a Redox-active Ligand Bearing Amidophenolato Moieties. *Chemistry Letters*, **2020**, 49, 666-669	1.7	
113	Cupin Variants as a Macromolecular Ligand Library for Stereoselective Michael Addition of Nitroalkanes. *Angewandte Chemie - International Edition*, **2020**, 59, 7717-7720	16.4	5
112	Cupin Variants as a Macromolecular Ligand Library for Stereoselective Michael Addition of Nitroalkanes. *Angewandte Chemie*, **2020**, 132, 7791-7794	3.6	
111	Copper-Oxygen Dynamics in the Tyrosinase Mechanism. *Angewandte Chemie - International Edition*, **2020**, 59, 13385-13390	16.4	21
110	Modelling a □histidine brace□motif in mononuclear copper monooxygenases. *Chemical Communications*, **2020**, 56, 5123-5126	5.8	7
109	Theoretical rationalization for the equilibrium between (□□peroxido)CuCu and bis(□oxido)CuCu complexes: perturbational effects from ligand frameworks. *Dalton Transactions*, **2020**, 49, 6710-6717	4.3	0
108	Controlling Coordination Number of Rhodium(III) Complex by Ligand-Based Redox for Catalytic C□H Amination. *Bulletin of the Chemical Society of Japan*, **2020**, 93, 279-286	5.1	6
107	Copper□Oxygen Dynamics in the Tyrosinase Mechanism. *Angewandte Chemie*, **2020**, 132, 13487-13492	3.6	8
106	Cupric-superoxide complex that induces a catalytic aldol reaction-type C□C bond formation. *Communications Chemistry*, **2019**, 2,	6.3	11

105	Characterization and Reactivity of a Tetrahedral Copper(II) Alkylperoxido Complex. *Chemistry - A European Journal*, **2019**, 25, 11157-11165	4.8	6
104	Oxido-Hydroxido- and Oxido-Aminato-Osmium(V) Complexes with a Cyclohexanediamine-Based Tetradentate Ligand as Active Oxidants for Dihydroxylation and Aminohydroxylation of Alkenes. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2891-2898	2.3	4
103	Direct Observation of Primary C□H Bond Oxidation by an Oxido-Iron(IV) Porphyrin □Radical Cation Complex in a Fluorinated Carbon Solvent. *Angewandte Chemie*, **2019**, 131, 10979-10982	3.6	1
102	Direct Observation of Primary C-H Bond Oxidation by an Oxido-Iron(IV) Porphyrin □Radical Cation Complex in a Fluorinated Carbon Solvent. *Angewandte Chemie - International Edition*, **2019**, 58, 10863-10866	16.4	13
101	A Bis(□oxido)dinickel(III) Complex with a Triplet Ground State. *Angewandte Chemie - International Edition*, **2018**, 57, 7640-7643	16.4	11
100	Copper(I)□Dioxygen Reactivity in the Isolated Cavity of a Nanoscale Molecular Architecture. *European Journal of Inorganic Chemistry*, **2018**, 2018, 1976-1983	2.3	7
99	Tyrosinases in Organic Chemistry: A Versatile Tool for the □Arylation of □Dicarbonyl Compounds. *European Journal of Organic Chemistry*, **2018**, 2018, 1789-1796	3.2	4
98	A Bis(□oxido)dinickel(III) Complex with a Triplet Ground State. *Angewandte Chemie*, **2018**, 130, 7766-7769	3.6	3
97	Structure and Reactivity of Copper Complexes Supported by a Bulky Tripodal N4 Ligand: Copper(I)/Dioxygen Reactivity and Formation of a Hydroperoxide Copper(II) Complex. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2018**, 644, 780-789	1.3	4
96	Osmium Complexes Coordinated with Poly(pyridylmethyl)diamine-Based Hexadentate Ligands. *European Journal of Inorganic Chemistry*, **2018**, 2018, 178-185	2.3	
95	Noninnocent Ligand in Rhodium(III)-Complex-Catalyzed C-H Bond Amination with Tosyl Azide. *Inorganic Chemistry*, **2018**, 57, 9738-9747	5.1	20
94	Dioxygenation of Flavonol Catalyzed by Copper(II) Complexes Supported by Carboxylate-Containing Ligands: Structural and Functional Models of Quercetin 2,4-Dioxygenase. *European Journal of Inorganic Chemistry*, **2017**, 2017, 1845-1854	2.3	10
93	Catalytic C-H amination driven by intramolecular ligand-to-nitrene one-electron transfer through a rhodium(iii) centre. *Chemical Communications*, **2017**, 53, 4849-4852	5.8	26
92	Generation and characterisation of a stable nickel(ii)-aminoxyl radical complex. *Dalton Transactions*, **2017**, 46, 8013-8016	4.3	5
91	A Well-Defined Osmium-Cupin Complex: Hyperstable Artificial Osmium Peroxygenase. *Journal of the American Chemical Society*, **2017**, 139, 5149-5155	16.4	16
90	Dioxygenation of Flavonol Catalyzed by Copper(II) Complexes Supported by Carboxylate-Containing Ligands: Structural and Functional Models of Quercetin 2,4-Dioxygenase. *European Journal of Inorganic Chemistry*, **2017**, 2017, 1844-1844	2.3	
89	Geometric effects on OO bond scission of copper(II)-alkylperoxide complexes. *Journal of Inorganic Biochemistry*, **2017**, 177, 375-383	4.2	8
88	Tetrahedral Copper(II) Complexes with a Labile Coordination Site Supported by a Tris-tetramethylguanidinato Ligand. *Inorganic Chemistry*, **2017**, 56, 9634-9645	5.1	21

87	Oxidative Transformation of Alkenes Catalyzed by Bioinspired Osmium Complexes. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2017**, 75, 929-940	0.2	
86	Controlling Dicopper Protein Functions. *Bulletin of the Chemical Society of Japan*, **2016**, 89, 733-742	5.1	16
85	A Model for the Active-Site Formation Process in DMSO Reductase Family Molybdenum Enzymes Involving Oxido-Alcoholato and Oxido-Thiolato Molybdenum(VI) Core Structures. *Inorganic Chemistry*, **2016**, 55, 1542-50	5.1	11
84	Oxidative Cyclization of 1,5-Dienes with Hydrogen Peroxide Catalyzed by an Osmium(III) Complex: Synthesis of cis-Tetrahydrofurans. *Organic Letters*, **2016**, 18, 1246-9	6.2	11
83	Cerium-Complex-Catalyzed Oxidation of Arylmethanols under Atmospheric Pressure of Dioxygen and Its Mechanism through a Side-On Peroxo Dicerium(IV) Complex. *Chemistry - A European Journal*, **2016**, 22, 4008-14	4.8	20
82	Cerium-Complex-Catalyzed Oxidation of Arylmethanols under Atmospheric Pressure of Dioxygen and Its Mechanism through a Side-On Peroxo Dicerium(IV) Complex. *Chemistry - A European Journal*, **2016**, 22, 3897-3897	4.8	
81	Developing mononuclear copper-active-oxygen complexes relevant to reactive intermediates of biological oxidation reactions. *Accounts of Chemical Research*, **2015**, 48, 2066-74	24.3	110
80	cis-1,2-Aminohydroxylation of Alkenes Involving a Catalytic Cycle of Osmium(III) and Osmium(V) Centers: Os(V)(O)(NHTs) Active Oxidant with a Macrocyclic Tetradentate Ligand. *Inorganic Chemistry*, **2015**, 54, 7073-82	5.1	10
79	Direct hydroxylation of benzene to phenol using hydrogen peroxide catalyzed by nickel complexes supported by pyridylalkylamine ligands. *Journal of the American Chemical Society*, **2015**, 137, 5867-70	16.4	121
78	Generation, Characterization, and Reactivity of a Cu(II)-Alkylperoxide/Anilino Radical Complex: Insight into the O-O Bond Cleavage Mechanism. *Journal of the American Chemical Society*, **2015**, 137, 10870-3	16.4	23
77	Redox behavior of novel nickel and palladium complexes supported by trianionic non-innocent ligand containing diketiminate and phenol groups. *Journal of Porphyrins and Phthalocyanines*, **2015**, 19, 377-387	1.8	4
76	A copper complex supported by an N2S-tridentate ligand inducing efficient heterolytic O-O bond cleavage of alkylhydroperoxide. *Dalton Transactions*, **2014**, 43, 4871-7	4.3	25
75	Geometric control of nuclearity in copper(I)/dioxygen chemistry. *Inorganic Chemistry*, **2014**, 53, 8786-94	5.1	23
74	A Tetradentate Diiminato Ligand Containing Phenolate Substituents: Flexivalent Coordination to MnIII, CoIII, NiII, and CuII. *European Journal of Inorganic Chemistry*, **2014**, 2014, 5752-5759	2.3	5
73	Redox chemistry of nickel(II) complexes supported by a series of noninnocent diketiminate ligands. *Inorganic Chemistry*, **2014**, 53, 6159-69	5.1	28
72	Crystal structures of copper-depleted and copper-bound fungal pro-tyrosinase: insights into endogenous cysteine-dependent copper incorporation. *Journal of Biological Chemistry*, **2013**, 288, 22128-40	5.4	63
71	C-H bond activation of the methyl group of the supporting ligand in an osmium(III) complex upon reaction with H2O2: formation of an organometallic osmium(IV) complex. *Inorganic Chemistry*, **2013**, 52, 543-5	5.1	9
70	Copper complexes of the non-innocent diketiminate ligand containing phenol groups. *Dalton Transactions*, **2013**, 42, 2438-44	4.3	22

69	Osmium(III) and osmium(V) complexes bearing a macrocyclic ligand: a simple and efficient catalytic system for cis-dihydroxylation of alkenes with hydrogen peroxide. *Chemistry - an Asian Journal*, **2013**, 8, 2154-60	4.5	19
68	Redox properties of a mononuclear copper(II)-superoxide complex. *Inorganic Chemistry*, **2013**, 52, 10431-7	5.1	49
67	Multifunctions of MelB, a fungal tyrosinase from Aspergillus oryzae. *ChemBioChem*, **2012**, 13, 193-201	3.8	26
66	Heterolytic Alkyl Hydroperoxide O–O Bond Cleavage by Copper(I) Complexes. *European Journal of Inorganic Chemistry*, **2012**, 2012, 4099-4103	2.3	21
65	Active site models for the Cu(A) site of peptidylglycine α-hydroxylating monooxygenase and dopamine β-monooxygenase. *Inorganic Chemistry*, **2012**, 51, 9465-80	5.1	65
64	An osmium(III)/osmium(V) redox couple generating Os(V)(O)(OH) center for cis-1,2-dihydroxylation of alkenes with H2O2: Os complex with a nitrogen-based tetradentate ligand. *Journal of the American Chemical Society*, **2012**, 134, 19270-80	16.4	38
63	Copper(I)-Dioxygen Reactivity in a Sterically Demanding Tripodal Tetradentate tren Ligand: Formation and Reactivity of a Mononuclear Copper(II) End-On Superoxo Complex. *European Journal of Inorganic Chemistry*, **2012**, 2012, 4574-4578	2.3	35
62	Synthesis and properties of oxo-carboxylato- and dioxo-bridged diosmium complexes of tris(2-pyridylmethyl)amine. *Inorganic Chemistry*, **2011**, 50, 9014-23	5.1	11
61	Theoretical Aspects of Dioxygen Activation in Dicopper Enzymes **2011**, 197-224		1
60	Post-translational His-Cys cross-linkage formation in tyrosinase induced by copper(II)-peroxo species. *Journal of the American Chemical Society*, **2011**, 133, 1180-3	16.4	26
59	Reactivity of copper(II)-alkylperoxo complexes. *Dalton Transactions*, **2011**, 40, 10326-36	4.3	40
58	Amine Oxidase and Galactose Oxidase **2011**, 53-106		11
57	Insights into the Proposed Copper–Oxygen Intermediates that Regulate the Mechanism of Reactions Catalyzed by Dopamine β-Monooxygenase, Peptidylglycine α-Hydroxylating Monooxygenase, and Tyramine β-Monooxygenase **2011**, 1-22		9
56	Organic Synthetic Methods Using Copper Oxygen Chemistry **2011**, 361-444		4
55	Structure and Reactivity of Copper–Oxygen Species Revealed by Competitive Oxygen-18 Isotope Effects **2011**, 169-195		
54	Cytochrome c Oxidase and Models **2011**, 283-319		3
53	Supramolecular Copper Dioxygen Chemistry **2011**, 321-360		1
52	Copper Dioxygenases **2011**, 23-52		9

51	Energy Conversion and Conservation by Cytochrome Oxidases **2011**, 107-129		
50	Multicopper Proteins **2011**, 131-168		5
49	Chemical Reactivity of Copper Active-Oxygen Complexes **2011**, 225-282		17
48	Nickel(II) Complexes of tpa Ligands with 6-Phenyl Substituents (Phntpa). Structure and H2O2-Reactivity. *Bulletin of the Chemical Society of Japan*, **2010**, 83, 530-538	5.1	14
47	Mononuclear copper(II)-superoxo complexes that mimic the structure and reactivity of the active centers of PHM and DbetaM. *Journal of the American Chemical Society*, **2009**, 131, 2788-9	16.4	134
46	Reactivity of mononuclear alkylperoxo copper(II) complex. O-O bond cleavage and C-H bond activation. *Journal of the American Chemical Society*, **2008**, 130, 4244-5	16.4	88
45	Reactions of copper(II)-H2O2 adducts supported by tridentate bis(2-pyridylmethyl)amine ligands: sensitivity to solvent and variations in ligand substitution. *Inorganic Chemistry*, **2008**, 47, 8222-32	5.1	49
44	Monooxygenase activity of type 3 copper proteins. *Accounts of Chemical Research*, **2007**, 40, 592-600	24.3	192
43	Aromatic hydroxylation reactivity of a mononuclear Cu(II)-alkylperoxo complex. *Journal of the American Chemical Society*, **2007**, 129, 7248-9	16.4	45
42	Ligand effects on Ni(II)-catalysed alkane-hydroxylation with m-CPBA. *Dalton Transactions*, **2007**, 1120-8	4.3	95
41	Catalysis of Photoinduced Electron Transfer Reactions. *Advances in Photochemistry*, **2007**, 107-172		4
40	Catalytic Alkane Hydroxylation Reaction with Nickel(II) Complexes Supported by Di- and Triphenol Ligands. *Chemistry Letters*, **2007**, 36, 748-749	1.7	40
39	NiII(TPA) as an efficient catalyst for alkane hydroxylation with m-CPBA. *Chemical Communications*, **2006**, 4016-8	5.8	110
38	Structure and O2-reactivity of copper(I) complexes supported by pyridylalkylamine ligands. *Dalton Transactions*, **2006**, 4531-8	4.3	43
37	Syntheses, Structures, and O2-Reactivities of Copper(I) Complexes with Bis(2-pyridylmethyl)amine and Bis(2-quinolylmethyl)amine Tridentate Ligands. *Bulletin of the Chemical Society of Japan*, **2006**, 79, 1729-1741	5.1	20
36	Mononuclear copper active-oxygen complexes. *Current Opinion in Chemical Biology*, **2006**, 10, 115-22	9.7	181
35	Structure and dioxygen-reactivity of copper(I) complexes supported by bis(6-methylpyridin-2-ylmethyl)amine tridentate ligands. *Dalton Transactions*, **2005**, 3514-21	4.3	30
34	Kinetics and DFT studies on the reaction of copper(II) complexes and H2O2. *Journal of Biological Inorganic Chemistry*, **2005**, 10, 581-90	3.7	24

33	Fine Tuning of Structure and Reactivity of Copper Complexes Using Pyridylalkylamine Ligands-Active Site Models for Copper Proteins-. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2005**, 63, 1240-1252	0.2	2
32	A Model Compound of the Novel Organic Cofactor CTQ (Cysteine Tryptophylquinone) of Quinohemoprotein Amine Dehydrogenase. *European Journal of Organic Chemistry*, **2004**, 2004, 3074-3079	3.2	3
31	Structures and redox reactivities of copper complexes of (2-pyridyl)alkylamine ligands. Effects of the alkyl linker chain length. *Inorganic Chemistry*, **2003**, 42, 8087-97	5.1	54
30	Kinetic evaluation of phenolase activity of tyrosinase using simplified catalytic reaction system. *Journal of the American Chemical Society*, **2003**, 125, 13034-5	16.4	92
29	Effects of magnesium ion on kinetic stability and spin distribution of phenoxyl radical derived from a vitamin E analogue: mechanistic insight into antioxidative hydrogen-transfer reaction of vitamin E. *Perkin Transactions II RSC*, **2002**, 1520-1524		31
28	Formation, characterization, and reactivity of bis(mu-oxo)dinickel(III) complexes supported by a series of bis[2-(2-pyridyl)ethyl]amine ligands. *Journal of the American Chemical Society*, **2001**, 123, 11168-78	16.4	79
27	Characterization of imidazolate-bridged dinuclear and mononuclear hydroperoxo complexes. *Inorganic Chemistry*, **2001**, 40, 3200-7	5.1	48
26	Fine tuning of the interaction between the copper(I) and disulfide bond. Formation of a bis(mu-thiolato)dicopper(II) complex by reductive cleavage of the disulfide bond with copper(I). *Journal of the American Chemical Society*, **2001**, 123, 4087-8	16.4	56
25	Oxygenation of phenols to catechols by a (mu-eta 2:eta 2-peroxo)dicopper(II) complex: mechanistic insight into the phenolase activity of tyrosinase. *Journal of the American Chemical Society*, **2001**, 123, 6708-9	16.4	162
24	Characterization of imidazolate-bridgedCu(II)Zn(II) heterodinuclear andCu(II)Cu(II) homodinuclear hydroperoxocomplexes as reaction intermediate models of Cu,Zn-SOD. *Chemical Communications*, **2000**, 1051-1052	5.8	27
23	Catalytic effect of monovalent cations on the amine oxidation by cofactor TTQ of quinoprotein amine dehydrogenases. *Chemical Communications*, **2000**, 329-330	5.8	6
22	Effects of Metal Ions on the Electronic, Redox, and Catalytic Properties of Cofactor TTQ of Quinoprotein Amine Dehydrogenases. *Journal of the American Chemical Society*, **2000**, 122, 12087-12097	16.4	29
21	Resonance Raman Spectroscopy as a Probe of the Bis(μ-oxo)dicopper Core. *Journal of the American Chemical Society*, **2000**, 122, 792-802	16.4	81
20	Synthesis and Characterization of Imidazolate-Bridged Dinuclear Complexes as Active Site Models of Cu,Zn-SOD. *Journal of the American Chemical Society*, **2000**, 122, 5733-5741	16.4	192
19	Die Oxidation von Benzylalkohol mit CuII- und ZnII-Phenoxylradikal-Komplexen als Modell für die Redoxreaktion der Galactose-Oxidase. *Angewandte Chemie*, **1999**, 111, 2944-2946	3.6	13
18	Electron-Transfer Properties of Active Aldehydes of Thiamin Coenzyme Models, and Mechanism of Formation of the Reactive Intermediates. *Chemistry - A European Journal*, **1999**, 5, 2810-2818	4.8	50
17	Oxidation of Benzyl Alcohol with Cu(II) and Zn(II) Complexes of the Phenoxyl Radical as a Model of the Reaction of Galactose Oxidase. *Angewandte Chemie - International Edition*, **1999**, 38, 2774-2776	16.4	77
16	Aliphatic Hydroxylation by a Bis(μ-oxo)dinickel(III) Complex. *Journal of the American Chemical Society*, **1999**, 121, 8945-8946	16.4	57

15	Direkte Beobachtung radikalischer Zwischenstufen bei Untersuchungen zum Redoxverhalten von Modellen des Coenzyms Thiamin. *Angewandte Chemie*, **1998**, 110, 1040-1042	3.6	11
14	Direct Observation of Radical Intermediates While Investigating the Redox Behavior of Thiamin Coenzyme Models. *Angewandte Chemie - International Edition*, **1998**, 37, 992-994	16.4	31
13	Model studies on calcium-containing quinoprotein alcohol dehydrogenases. Catalytic role of Ca2+ for the oxidation of alcohols by coenzyme PQQ (4,5-dihydro-4,5-dioxo-1H-pyrrolo[2,3-f]quinoline-2, 7,9-tricarboxylic acid). *Biochemistry*, **1998**, 37, 6562-71	3.2	64
12	Selective One-Electron and Two-Electron Reduction of C60 with NADH and NAD Dimer Analogues via Photoinduced Electron Transfer. *Journal of the American Chemical Society*, **1998**, 120, 8060-8068	16.4	194
11	Modeling of the Chemistry of Quinoprotein Methanol Dehydrogenase. Oxidation of Methanol by Calcium Complex of Coenzyme PQQ via Addition-Elimination Mechanism. *Journal of the American Chemical Society*, **1997**, 119, 439-440	16.4	64
10	Active Site Models for Galactose Oxidase. Electronic Effect of the Thioether Group in the Novel Organic Cofactor. *Inorganic Chemistry*, **1997**, 36, 1407-1416	5.1	120
9	Model Studies of TTQ-Containing Amine Dehydrogenases. *Journal of Organic Chemistry*, **1996**, 61, 8967-8974	4.2	27
8	Synthesis and structural properties of copper complexes toward the active center model of galactose oxidase. *Nihon Kessho Gakkaishi*, **1994**, 36, 166-166	0	
7	Multinuclear NMR and ab initio MO studies of 7-methyl-7H-pyrrolo [2,3-b]pyridine and related compounds. *Journal of Physical Organic Chemistry*, **1993**, 6, 139-144	2.1	1
6	Chemical Functions of Novel Heterocyclic o-Quinone Cofactors and Their Applications.. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **1993**, 51, 1154-1163	0.2	1
5	Chemical functions of novel coenzyme PQQ.. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **1989**, 47, 855-867	0.2	0
4	Oxidative Deamination of Aliphatic Amines by Coenzyme PQQ in the Micellar System. *Journal of Japan Oil Chemists Society*, **1987**, 36, 882-883		3
3	Effects of Surfactants on the Oxidative Deamination of Amines by Coenzyme PQQ. *Journal of Japan Oil Chemists Society*, **1986**, 35, 91-95		2
2	Alkane Oxidation with H2O2 Catalyzed by OsO4-carboxylate Adduct and Its Application to Heterogeneous Catalyst. *Chemistry Letters*,	1.7	1
1	Halide-Adducts of OsO4. Structure and Reactivity in Alcohol-Oxidation. *Bulletin of the Chemical Society of Japan*,	5.1	3