

No.	Description
18	Kim, K., Kishima, T., Matsumoto, T., Nakai, H. and Ogo, S. (2013) Selective Redox Activation of H ₂ or O ₂ in a [NiRu] Complex by Aromatic Ligand Effects, ORGANOMETALLICS, 32 (1), 79-87. DOI: 10.1021/om300833m
17	Nonaka, K., Nguyen, N. T., Yoon, K.-S. and Ogo, S. (2013) Novel "H ₂ -oxidizing" [NiFeSe]hydrogenase from Desulfovibrio vulgaris Miyazaki F, Journal of Bioscience and Bioengineering, 115 (4), 366-371. DOI: 10.1016/j.jbiosc.2012.10.011
16	Oguma, T. and Katsuki, T. (2012) Iron-Catalyzed Dioxygen-Driven C-C Bond Formation: Oxidative Dearomatization of 2-Naphthols with Construction of a Chiral Quaternary Stereocenter, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 134 (49), 20017-20020. DOI: 10.1021/ja310203c
15	Ohta, T., Liu, J.-G., Saito, M., Kobayashi, Y., Yoda, Y., Seto, M. and Naruta, Y. (2012) Axial Ligand Effects on Vibrational Dynamics of Iron in Heme Carbonyl Studied by Nuclear Resonance Vibrational Spectroscopy, JOURNAL OF PHYSICAL CHEMISTRY B, 228 (5273), 726-734. DOI: 10.1021/jp304398g
14	Ishida, M., Lim, J. M., Lee, B.S., Tani, F., Sessler, J.L., Kim, D. and Naruta, Y. (2012) Photophysical Analysis of 1,10-Phenanthroline-Embedded Porphyrin Analogues and Their Magnesium(II) Complexes, CHEMISTRY-A EUROPEAN JOURNAL, 18 (45), -. DOI: 10.1002/chem.201201793
13	Fukunaga, Y., Uchida, T., Ito, Y., Matsumoto, K. and Katsuki, T. (2012) Ru(CO)-salen-Catalyzed Synthesis of Enantiopure Aziridinyl Ketones and Formal Asymmetric Synthesis of (+)-PD 128907, ORGANIC LETTERS, 14 (17), 4658-4661. DOI: 10.1021/ol302095r
12	Kobayashi, H., Morita, H., Yamauchi, M., Ikeda, R., Kitagawa, H., Kubota, Y., Kato, K., Takata, M., Toh, S. and Matsumura, S. (2012) Nanosize-Induced Drastic Drop in Equilibrium Hydrogen Pressure for Hydride Formation and Structural Stabilization in Pd-Rh Solid-Solution Alloys, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 134 (30), 12390-12393. DOI: 10.1021/ja305031y
11	Koya, S., Nishioka, Y., Mizoguchi, H., Uchida, T. and Katsuki, T. (2012) Asymmetric Epoxidation of Conjugated Olefins with Dioxygen, ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, 51 (33), 8243-8246. DOI: 10.1002/anie.201201848
10	Eguchi, S., Yoon, K.S. and Ogo, S. (2012) O ₂ -stable membrane-bound [NiFe]hydrogenase from a newly isolated Citrobacter sp. S-77, Journal of Bioscience and Bioengineering, 114 (5), 479-484. DOI: 10.1016/j.jbiosc.2012.05.018
9	Jeong, K., Nakamori, H., Imai, S., Matsumoto, T., Ogo, S. and Nakai, H. (2012) A Neutral Five-coordinated Organoruthenium(0) Complex: X-ray Structure and Unique Solvatochromism, CHEMISTRY LETTERS, 41 (6), 650-651. DOI: 10.1246/cl.2012.650
8	Ohta, T., Liu, J.-G. and Naruta, Y. (2013) Resonance Raman characterization of mononuclear heme-peroxo intermediate models, Coordination Chemistry Reviews, 257 (2), 407-413. DOI: 10.1016/j.ccr.2012.05.009
7	Liu, B., Liu, Q., You, D., Li, X., Naruta, Y. and Zhu, W. (2012) Molecular engineering of indoline

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Year: 2012

	based organic sensitizers for highly efficient dye-sensitized solar cells, JOURNAL OF MATERIALS CHEMISTRY, 22 (26), 13348-13356. DOI: 10.1039/c2jm31704d
6	Kim, C., Uchida, T. and Katsuki, T. (2012) Asymmetric olefin aziridination using a newly designed Ru(CO)(salen) complex as the catalyst, CHEMICAL COMMUNICATIONS, 48 (57), 7188-7190. DOI: 10.1039/c2cc32997b
5	Maity, P., Xie, S., Yamauchi, M. and Tsukuda, T. (2012) Stabilized gold clusters: from isolation toward controlled synthesis, NANOSCALE, 4 (14), 4027-4037. DOI: 10.1039/c2nr30900a
4	Kobayashi, H., Yamauchi, M. and Kitagawa, H. (2012) Finding Hydrogen-Storage Capability in Iridium Induced by the Nanosize Effect, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 134 (16), 6893-6895. DOI: 10.1021/ja302021d
3	Kim, K., Matsumoto, T., Robertson, A., Nakai, H. and Ogo, S. (2012) Simple Ligand Effects Switch a Hydrogenase Mimic between H ₂ and O ₂ Activation, CHEMISTRY-AN ASIAN JOURNAL, 7 (6), 1394-1400. DOI: 10.1002/asia.201101020
2	Inoki, D., Matsumoto, T., Nakai, H. and Ogo, S. (2012) Experimental Study of Reductive Elimination of H ₂ from Rhodium Hydride Species, ORGANOMETALLICS, 31 (8), 2996-3001. DOI: 10.1021/om2009759
1	Matsumoto, K., Egami, H., Oguma, T. and Katsuki, T. (2012) What factors influence the catalytic activity of iron–salan complexes for aerobic oxidative coupling of 2-naphthols?, CHEMICAL COMMUNICATIONS, 48 (44), 5823-5825. DOI: 10.1039/c2cc18090a