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発表論文等 (論文, 著書, 総説等の発表状況)

- (1) PtCl₂-Catalyzed Cyclization of *o*-Diethynylbenzene Derivatives Triggered by Intramolecular Nucleophilic Attack
Miki, K.; Kuge, H.; Umeda, R.; Sonoda, M.; Tobe, Y.* *Synth. Commun.* in press.
- (2) Tetradehydrodiantho[10]annulene and its Transformation into Zethrene: A Hitherto Unknown Dehydroannulene and a Forgotten Aromatic Hydrocarbon
Umeda, R.; Hibi, D.; Miki, K.; Tobe, Y.* *Pure Appl. Chem.* in press.
- (3) Two-Dimensional Networks of Rhombic-Shaped Fused Dehydrobenzo[12]annulenes: Structural Variants under Concentration Control
Tahara, K.; Okuhata, S.; Adisojoso, J.; Lei, S.; Fujita, T.; De Feyter, S.*; Tobe, Y.* *J. Am. Chem. Soc.* **2009**, *131* (48), 17583-175907.
- (4) Tetradehydrodiantho[10]annulene: A Hitherto Unknown Dehydroannulene and a Viable Precursor to Stable Zethrene Derivatives
Umeda, R.; Hibi, D.; Miki, K.; Tobe, Y.* *Org. Lett.* **2009**, *11* (18), 4104-4106.
- (5) Two-Dimensional Crystal Engineering: A Four-Component Architecture at a Liquid-Solid Interface
Adisojoso, J.; Tahara, K.; Okuhata, S.; Lei, S.; Tobe, Y.*; De Feyter, S.* *Angew. Chem. Int. Ed.* **2009**, *48* (40), 7553-7556.
- (6) Selective Metallation of 3-Halothiophenes: Practical Methods for the Synthesis of 2-Bromo-3-formylthiophene
Sonoda, M.; Kinoshita, S.; Luu, T.; Fukuda, H.; Miki, K.; Umeda, R.; Tobe, Y.* *Synth. Commun.* **2009**, *39* (8), 3315-3323.
- (7) Polynuclear Cyclophanes
Tobe, Y.*; Takeda, T. In *Science of Synthesis*; Siegel, J. S., Tobe, Y. Eds.; Aromatic Ring Assemblies, Polycyclic Aromatic Hydrocarbons, and Conjugated Polyenes; Georg Thieme: Stuttgart, 2010; Vol. 45b, Product Class 29, pp 1311-1348.
- (8) 巨大共役パイ電子系炭化水素の創出と機能
戸部義人*, 信末俊平, 化学工業, **2009**, *60* (11), 20-24.

学会発表等 (国内外の招待講演および国際会議での発表状況)

- (1) Self-Assembly of Functionalized Hexakis(phenylethynyl)dehydrobenzo[12]annulenes
Yamamoto, Y.; Kozuma, H.; Arikuma, Y.; Shimizu, Y.; Tahara, K.; Tobe, Y.* The Eleventh International Kyoto Conference on New Aspects on Organic Chemistry (IKCOC-11), Kyoto, Japan, 2009.11.9-13 (ポスター発表)

- (2) Tetradehydronaphtho[10]annulene: A Hitherto Unknown Dehydroannulenes and a Viable Precursor to Stable Zethrene Derivatives
Umeda, R.; Hibi, D.; Miki, K.; Tobe, Y.* The Eleventh International Kyoto Conference on New Aspects on Organic Chemistry (IKCOC-11), Kyoto, Japan, 2009.11.9-13 (ポスター発表)
- (3) A New Strategy for Generation of Benzoannulene Diocations Based on Platinum Catecholate Complex: The First 10π Aromatic Dehydrobenzo[12]annulene Dication
Tahara, K.; Kozuma, H.; Tobe, Y.* The 14th Japan-Korea Seminar on Organic Chemistry,, Shizuoka, Japan, 2009.10.23-26 (口頭発表)
- (4) Synthesis and Properties of Trinuclear Platinum Complex of Catecholate Type Dehydrobenzo[12]annulene: Clues of Aromatic [12]Annulene Dication
Tahara, K.; Kozuma H.; Kishi, R.; Takahashi, H.; Nakano, M.; Shiro, M.; Tobe, Y.* The 13th International Symposium on Novel Aromatic Compounds (ISNA-13), Luxembourg, 2009.7.19-24 (ポスター発表)
- (5) 2D Crystal Engineering: A Four-Component Architecture at a Liquid-Solid Interface
Tahara, K.; Adisojoso, J.; Okuhata, S.; Lei, S.; De Feyter, S.; Tobe, Y.* The 13th International Symposium on Novel Aromatic Compounds (ISNA-13), Luxembourg, 2009.7.19-24 (ポスター発表)
- (6) Some Uncovered Facets in Dehydroannulene Chemistry: Reactivity, Aromaticity, and Self-Assembly on Solid Surface
Tobe, Y.* The 13th International Symposium on Novel Aromatic Compounds (ISNA-13), Luxembourg, 2009.7.19-24 (招待講演)
- (7) 2次元ポリマーは合成化学者の夢にすぎないか？
戸部 義人, 特定領域研究「炭素資源の高度分子変換」ポストシンポジウム, 札幌, 2009.10.16 (招待講演)
- (8) 有機分子をならべてつくる幾何学模様：固液界面における2次元分子ネットワークの構築
戸部 義人, 第26回有機合成化学セミナー, 前橋, 2009.9.16-18 (招待講演)