

研究業績一覧

吉森 明

1. 査読付き原著論文

同封した主要論文は●をつけて太字にした。

- [1] Transfer Coefficient in Electrochemical Reactions,
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- [2] ● **Shapes of the Electron-Transfer Rate vs Energy Gap Relations in Polar Solutions,**
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- [3] Theoretical Study of Dielectric Saturation in Molecular Solutions by the Monte Carlo Simulation,
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2. 査読付き国際会議プロシーディングス

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2. Free energy landscape and CRR of glass-forming substance,
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 3. Separation of Dynamics in the Free Energy Landscape,
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 4. Application of Phase Transition Theory to Glass Transition System,
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 5. A Perturbation Theory for Friction of a Large Particle Immersed in a Binary Solvent,
Yuka Nakamura, Akira Yoshimori, and Ryo. Akiyama,
Journal of the Physical Society of Japan, in press (2012).
 6. A non-perturbative approach to freezing of superfluid ^4He in density functional theory,
T. Minoguchi¹, D.E. Galli, M. Rossi and Akira Yoshimori,
Journal of Physics: Conference Series, in press (2012)

3. その他の論文

どれも査読はありません。

1. ガラスと自由エネルギー,
吉森 明
物性研究 84-1 (2005-4) 59-78.
2. Yamaguchi theory and Van der Waals picture
吉森明、稲吉裕子、秋山良

物性研究 91 (2009) 713.

4. 著書

1. 吉森明、
日本光合成研究会編 “光合成事典”2 項目執筆、2003

5. 招待講演

(1) 国際および国内学会における招待講演

1. “溶液の動的性質における理論的研究”
1997年11月、第20回溶液シンポジウム、京都大学化学研究所
吉森明
2. “Nonlinear dynamics of molecular liquids”
1999年7月、26th International Conference on Solution Chemistry, Fukuoka, Japan
Akira Yoshimori
3. “溶媒和における非線形応答”
2000年8月、第10回理論化学シンポジウム、愛知
吉森明
4. “Free energy landscape and glass transition”
2007年11月、Fukuoka International Workshop on Unifying Concepts of Glass Transition, Kyushu University
A. Yoshimori, T. Odagaki, T. Yoshidome and T. Ekimoto
5. “Free energy landscape and configurational entropy”
2008年11月、Unifying Concepts in Glass Physics IV, Kyoto
A. Yoshimori and T. Odagaki
6. “溶液化学と非平衡物理”
2011年11月、溶液化学シンポジウム、名古屋大学

(2) その他の招待講演

依頼講演、招待されたセミナーを含みます。ただし、自主的に講演したセミナーは除いてあります。

1. “溶媒和ダイナミックスの理論”
1994年11月、科件費総合研究（B）研究会、名古屋
吉森明
2. “海洋混合層モデルと生態系モデル-1-”
1994年12月、海洋研シンポジウム、東京大学海洋研究所
吉森明
3. “溶媒和ダイナミックスにおける非線形の効果”

- 1995年2月、物理化学セミナー、京都大学
吉森明
4. “溶媒和ダイナミックスの理論的研究”
1996年1月、金沢大学
吉森明
 5. “Dynamics of distribution in solvation ”
1999年11月4日、COE プロジェクト「光反応機構・光反応制御」セミナー、通産省物質研究所
吉森明
 6. “溶液のダイナミックスにおける非線形効果”
1999年11月13日、大阪大学 VBL 若手研究会、大阪大学
吉森明
 7. “分子論から見たガラス転移とブラウン運動”
2001年5月、分子研研究会、分子科学研究所
吉森明
 8. “溶媒のダイナミックスと化学反応の理論”
2001年8月、「理論分子科学の最先端」(科学研究費特定領域研究)、慶應義塾大学
吉森明
 9. “動的溶液理論入門”
2003年8月、2003年液体夏の学校講師、京都
吉森明
 10. “液体のダイナミックスと非平衡物理学”
2003年9月、名古屋大学情報学科学研究科集中講義、名古屋
吉森明
 11. “構造ガラスにおける自由エネルギーランドスケープとは何か?”
2004年8月、東京大学物性研究所短期研究会 「極端非平衡系の物性とエネルギーランドスケープ」、物性研
吉森明
 12. “ガラスと自由エネルギー”
2004年12月、非線形数理冬の学校、東京
吉森明
 13. “非平衡物理と分子科学”
2005年8月、分子科学若手の会 夏の学校 2005、滋賀

吉森明

14. “セントロイド分子動力学 (CMD) 法の基礎付けについて”

2005 年 9 月、分子科学研究所

吉森明

15. “Yamaguchi theory and Van der Waals picture”

2008 年 11 月、2nd Mini-Symposium on Liquids, 九州大学

吉森明、稲吉裕子、秋山良

16. “液体における非平衡現象の理論”

2012 年 2 月 18 日、重イオン衝突と 非平衡物理の理論的発展、理化学研究所。