

# LIST OF PUBLICATIONS (Proceedings を除く)

Hiroaki YAMADA (\*\* が主要論文)

September, 2019

1. H.Yamada, M.Goda and Y.Aizawa,  
Transmission of Electrons in a New Type of Disordred Systems,  
J. Phys.:Condens. Matter **3**, 10043-10055,(1991). \*\*
2. H.Yamada, M.Goda and Y.Aizawa,  
Numerical Study of a Universal Distribution and Non-universal Distribution of Resistance  
and Transmission Coefficient in 1-D Disordered Systems,  
J. Phys.Soc.Jpn. **60**, 3501-3509, (1991).
3. M.Goda, H.Yamada, Y.Aizawa, K.Kurumi, A.Shudo and H.Kubo,  
A new Class of Disordered Systems–A Modified Bernoulli System with Long-Rang Struc-  
tural Correletion–,  
J. Phys. Soc. Jpn. **60**, 2295-2304, (1991).
4. Y.Aizawa, A.Shudo, K.Kurumi, M.Goda and H.Yamada,  
On a Random System Which Reveals Anomalous Localization of Wave Function,  
Prog. Theor. Phys. **86**, 1- 6, (1991).
5. H.Yamada, M.Goda, Y.Aizawa and M.Sano,  
Scaling of Quantum Diffusion in One-Dimensional Disordered Systems,  
J. Phys. Soc. Jpn. **61**, 3050-3053, (1992).
6. H.Yamada, K.Ikeda and M.Goda,  
Quantum Diffusion in a Coherently Time-Varying One-Dimensional Disordered System,  
Phys. Lett. **A182**, 77-80, (1993).
7. H.Yamada and M.Goda,  
Numerical Study of Quantum Diffusion in Two-Dimensional Disordered Systems,  
Phys. Lett. **A194**, 279-284,(1994).

8. M.Goda, T.Okabe, H.Yamada and M.Kobayashi,  
Statistical Properties of Self-Diffusion in AgI in a Classically Mesoscopic Regime,  
J. Phys. Soc. Jpn. **63**, 2841-2844, (1994).
9. H.Yamada and K.S.Ikeda,  
Spontaneously induced irreversible energy transport in closed electron-phonon systems,  
Phys. Lett. **A222**, 76-80, (1996). \*\*
10. T.Okabe, H.Yamada and M.Goda,  
How is Symplectic Integrator Applicable to Molecular Dynamics ?,  
Int. J. Mod. Phys. **C7**, 613-633, (1996). \*\*
11. H.Yamada and K.S.Ikeda,  
Anomalous Diffusion and Scaling Behavior of Dynamically Perturbed One-Dimensional  
Disordered Quantum Systems,  
Phys. Lett. **A248**, 179-184, (1998).
12. T. Okabe and H. Yamada,  
Instability of One-Dimensional Lennard-Jones System -Particle Density Dependence-,  
Mod. Phys. Lett. **B12**, 615-622, (1998).
13. T. Okabe and H. Yamada,  
Lyapunov Instability in One-Dimensional Lennard-Jones System,  
Int. J. Mod. Phys. **B12**, 901-920, (1998). \*\*
14. T. Okabe and H. Yamada,  
1/f Type Fluctuations in One-Dimensional Lennard-Jones Chain,  
Chaos, Solitons and Fractals, **9**, 1755-1768, (1998).
15. M. Goda, M. Ya. Azbel and H. Yamada,  
Non-Exponentially Localized States in a Two-Dimensional Disordered System,  
Int. J. Mod. Phys. **B21/22**, 2705-2725, (1999). \*\*
16. T. Okabe and H. Yamada,  
Dynamical Instability of One-Dimensional Morse System,  
Mod. Phys. Lett. **B13**, 303-315, (1999).

17. H. Yamada and K.S. Ikeda,  
Dynamical Delocalization in One-Dimensional Disordered Systems with Oscillatory Perturbation,  
Phys. Rev. **E59**, 5214-5230, (1999). \*\*
18. K. Itagaki, M. Goda and H. Yamada,  
Statistical Property of Particle Diffusion in molten AgI and Lennard-Jones Liquid in a Mesoscopic Time Regime,  
Physica **A 265**, 97-110, (1999).
19. T. Okabe and H. Yamada,  
Lyapunov Spectra of Correlated-Random Matrices products,  
Mod. Phys. Lett. **B14**, 291-301, (2000).
20. K. Itagaki, M. Goda and H. Yamada,  
Pre-Gaussian Process of Particle Diffusion in Classical Liquids in a Mesoscopic Time Regime,  
Physica **A 282**, 409-426, (2000). \*\*
21. T. Okabe and H. Yamada,  
Energy Dependence of Dynamical Instability in One-Dimensional Lennard-Jones System,  
Mod. Phys. Lett. **B14**, 65-72, (2000).
22. H. Yamada,  
Quantum Diffusion in One-Dimensional Disordered System with Oscillatory Perturbation,  
Physica **E9**, 389-392, (2001).
23. H. Yamada and T. Okabe,  
Numerical Study of Lyapunov Exponents for products of Correlated Random matrices,  
Phys. Rev. **E63**, 26203-26217, (2001). \*\*
24. K. Sakurada, M. Goda and H. Yamada,  
1/f-type Fluctuation of electron transmission in One-Dimensional Disordered System,  
Phys. Lett. **A280**, 361-364, (2001).
25. M. Goda, M. Ya. Azbel and H. Yamada,  
Non-Exponentially Localized States in a 2D Disordered System,  
Physica **B296**, 66-71 (2001).

26. H.Yamada,  
Energy Relaxation Dynamics in Harper Model Coupled with a Small Number of Phonon Modes,  
Physica **B316/317**, 350-355, 2002.
27. H.Yamada and K.S.Ikeda,  
Anderson Localized State as a Pre-Dissipative State: Irreversible Emission of Thermalized Quanta from Dynamically Delocalized State,  
Phys. Rev. **E65**, 046211(2002). \*
28. H.Yamada,  
Delocalization and Sensitivity of Quantum Wavepacket in Coherently Perturbed Kicked Anderson Model, Entropy **6**, 133-152(2004). \*\*
29. H.Yamada,  
Localization of the Electronic States in Non-Stationary Chaotic Field with Long-Range Correlation,  
Phys.Rev. **B 69**, 014205(2004). \*\*
30. T.Okabe and H.Yamada  
Dynamical Instability in Few-Particle Lennard-Jones Chain,  
Mod. Phys. Lett. **B 18**, 269-274(2004).
31. H.Yamada,  
Localization of the Electronic States in Non-Stationary Chaotic Field with Long-Range Correlation: Off-Diagonal Model,  
Phys. Lett. **A 325**, 118-123(2004).
32. H.Yamada ,  
Electronic Localization Properties of a Double Strand of DNA: A Simple Model with Long-Range Correlated Hopping Disorder,  
Int. J. Mod. Phys. **B 12**, 1697-1716(2004),
33. H.Yamada,  
Delocalization of Quantum Wavepacket in Coherently Perturbed Kicked Anderson Model,  
Phys.Lett.A **328**, 170-176(2004).

34. H. Yamada,  
Localization of Electronic States in Chain Models Based on Real DNA Sequence,  
Phys. Lett. A **332**, 65-73(2004). cond-mat/0406040.
35. A. Igarashi and H. Yamada,  
Tunneling of Quantum Particle in Oscillatory Symmetric Double-Well System,  
Chem. Phys. **309**, 95-101(2005).
36. K. Iguchi and H. Yamada,  
Exactly solvable scale-free network model,  
Phys. Rev. E **71**, 036144-1-11 (2005). cond-mat/0405662
37. K. Iguchi and H. Yamada,  
Vibrational Modes and Spectrum of Oscillators on a Scale-free Network,  
Phys. Rev. E **71**, 037102-1-4 (2005). cond-mat/0408323
38. H. Yamada, E.B. Starikov, D. Hennig and J.F.R. Archilla,  
Localization Properties of Electronic States in Polaron Model of poly(dG)-poly(dC) and  
poly(dA)-poly(dT) DNA polymers,  
Euro. Phys. J. E-soft matter, i2004-10135-8 (2005). cond-mat/0407148
39. K. Iguchi, S. Kinoshita and H. Yamada,  
Rugged Fitness Landscapes of Kauffman Model with a Scale-Free Network,  
Phys. Rev. E **72**, 061901-1-6 (2005). cond-mat/0507055.
40. A. Igarashi and H. Yamada,  
Controllability of Wave Packet Dynamics in Coherently Driven Double-Well Potential,  
Chem. Phys. **327**, 395-405 (2006). cond-mat/0603321.
41. A. Igarashi and H. Yamada,  
Quantum Dynamics and Decoherence in Oscillatory Driven One-Dimensional Double-Well  
Potential,  
Physica D **221**, 146-156 (2006). cond-mat/0508483.

42. K. Iguchi, S. Kinoshita and H.S. Yamada,  
Boolean Dynamics of Kauffman Model with a Scale-Free Network,  
J. Theor. Biol. 247, 138-151 (2007). cond-mat/0510430.
43. K. Iguchi and H.S. Yamada,  
General Connectivity Distribution Functions for Growing Networks with Preferential Attachment of Fractional Power,  
J. Math. Phys. **48**, 113303-1-17 (2007). cond-mat/0702497. \*\*
44. H.S. Yamada and K. Iguchi,  
q-exponential Fitting for Distributions of Family Names,  
Physica A **387**, 1628-1636 (2007). \*\*
45. H. Yamada, E.B. Starikov, and D. Hennig,  
Quantum Diffusion in Polaron Model of poly(dG)-poly(dC) and poly(dA)-poly(dT) DNA polymers,  
Euro. Phys. J. B, **59**, 185-192 (2007). cond-mat/0705.2631. \*\*
46. A. Igarashi and H. Yamada,  
Numerical Study on Dynamical Behavior in Oscillatory Driven Double-Well Quantum Systems,  
Phys. Rev. E **78**, 026213-1-21 (2008). \*\*
47. S. Kinoshita, K. Iguchi and H.S. Yamada,  
Intrinsic Properties of Boolean Dynamics in Complex Networks,  
J. Theor. Biol. **256**, 351-369 (2009)[19pages]. \*\*
48. Screw motion of DNA duplex during translocation through pore I : Introduction of the coarse-grained model,  
Biophysical Reviews and Letters (BRL) **4**, 209-230 (2009) [22 pages]. \*\*
49. H.S. Yamada and K.S. Ikeda,  
Universal Irreversibility of Normal Quantum Diffusion,  
Phys. Rev. E **82**, 060102-1-4 (2010)[4 pages]. arXiv:1006.0363v1[cond-mat.dis-nn]. \*\*
50. H.S. Yamada and K. Iguchi,  
Some Effective Tight-Binding Models for Electrons in DNA Conduction: A Review,  
Advances in Condensed Matter Physics, Article ID 380710(2010). arXiv:1003.5604v2[cond-mat.dis-nn][28pages]. \*\*

51. H.S. Yamada and K.S. Ikeda,  
Universal Characteristics of Time-irreversibility in Quantum Normal Diffusion, Bussei Kenkyu, **97** no.3, 560-584 (2011)[25pages]. [This is a memorial paper for professor Shuichi Tasaki.].
52. H.S. Yamada and K.S. Ikeda,  
Time-reversal Characteristics of Quantum Normal Diffusion,  
Eur. Phys. J. B **85**, 41(2012)[20pages]. arXiv:1102.3948v2[cond-mat.stat-mech]. \*\*
53. H.S. Yamada and K.S. Ikeda,  
Time-reversal Characteristics of Quantum Normal Diffusion: Time-continuous Models,  
Eur. Phys. J. B **85**, 195 (2012) [15pages]. \*\*
54. H.S. Yamada and K.S. Ikeda,  
Singularity Diagonosis for Quantum States by Pade Approximation -Part 1-,  
Bussei Kenkyu (Electronic version) , Kyoto Vol.2, No. 3, 023101(2013) (in Japanese)  
[50pages].
55. H.S. Yamada and K.S. Ikeda,  
Singularity Diagonosis for Quantum States by Pade Approximation -Part 2-,  
Bussei Kenkyu (Electronic version) , Kyoto Vol.2, No. 3, 023102(2013) (in Japanese)  
[50pages].
56. H.S. Yamada and K.S. Ikeda,  
Analyticity of Quantum States in One-Dimensional Tight-Binding Model,  
Eur. Phys. J. B **87**, 208 (2014) [18pages]. arXiv.1311.2672v2[cond-mat.stat-mech]  
[19pages]. \*\*
57. H.S. Yamada and K.S. Ikeda,  
A Numerical Test of Pade Approximation for Some Functions with Singularity,  
International Journal of Computational Mathematics, Article ID **587430**(2014)[17pages].  
arXiv:1308.4453v1[math-ph] (2013) [16pages].
58. H.S. Yamada, F. Matsui and K.S. Ikeda,  
Critical Phenomena of Dynamical Delocalization in Quantum Anderson Map,  
Phys. Rev. E **92**, 062908 (2015); rXiv.1509.07549v2 [cond-mat.dist-nn] [6pages]. \*\*

59. H.S. Yamada,  
Delocalization in One-Dimensional Tight-Binding Models with Fractal Disorder,  
Eur. Phys. J. B **88**, 265 (2015) [9pages]. arXiv.1504.08098v2 [cond-mat.stat-mech]  
[9pages]. \*\*
60. H.S. Yamada,  
Delocalization in One-Dimensional Tight-Binding Models with Fractal Disorder II: Existence of Mobility Edge,  
Eur. Phys. J. B **89**, 158 (2016) [8pages]. arXiv.1602.07926v2 [cond-mat.dis-nn] [8pages].
61. F. Matsui, H.S. Yamada and K.S. Ikeda,  
Measuring lifetime of correspondence with classical decay of correlation in quantum chaos,  
Europhys. Lett. **113**, 4008(2016); arXiv.1603.07049v1 [cond-mat.stat-mech] [6pages]. \*\*
62. F. Matsui, H.S. Yamada and K.S. Ikeda,  
Correlation between irreversibility and entanglement in classically chaotic quantum kicked rotors,  
Europhys. Lett. **114**, 60010(2016); arXiv.1603.07050v1 [cond-mat.stat-mech][5pages]. \*\*
63. H.S. Yamada,  
Localization in One-Dimensional Tight-Binding Model with Chaotic Binary Sequences,  
Chaos , Solitons and Fractals, **109**, 99-106 (2018) [8pages]. arXiv.1708.00984v2[cond-mat.dist-nn]. \*\*
64. H.S. Yamada, F. Matsui and K.S. Ikeda,  
Scaling Properties of Dynamical Localization in Monochromatically Perturbed Quantum Maps:Anderson map and standard map,  
Phys. Rev. E **97**, 012210 (2018) [13pages]. arXiv.1708.08598v2 [cond-mat.dist-nn]. \*\*
65. H.S. Yamada,  
Localization of disordered harmonic chain with long-range correlation,  
Chaos , Solitons and Fractals, **113**, 178-185 (2018) [8pages]. arXiv.1807.07400v1[cond-mat.dist-nn].
66. H.S. Yamada,  
Wavepacket Dynamics in One-Dimensional System with Long-Range Correlated Disorder,  
Results in Physics, **8**, 1006-1009 (2018) [4pages].

67. S. Kinoshita and H.S. Yamada,  
Role of self-loop in cell-cycle network of budding yeast,  
Open Journal of Biophysics **9**, 10-20 (2019); arXiv:1811.03162 [q-bio.MN].
68. F. Matsui, H.S. Yamada and K.S. Ikeda,  
A Quantum Damper, Physica A **523**, 631-641(2019) [11pages]. arXiv.1709.03115v2[cond-  
mat.stat-mech]. \*\*

# LIST OF PUBLICATIONS (Proceedings)

Hiroaki YAMADA

September, 2019

1. M.Goda, H.Kubo and H.Yamada,  
Phonon Spectra and Green Functions in a Variety of Fibonacci Lattices,  
Proc. of Int. Conference on PHONONS 89, Ed. by S. Hunklinger, W. Ludwig and G. Weiss, (World Scientific, 1990), 561-563.
2. H.Yamada and M.Goda,  
Statistical Properties of Phonon Transmission in One-Dimensional Disordered system with Long-Range Correlation,  
Physica **B219**, 364-367, (1996).
3. M.Goda, T.Okabe. H.Yamada and M.Kobayashi,  
Anomalous Self-Diffusion of Particles in a Classically Mesoscopic Regime,  
Physica **B219**, 361-363, (1996).
4. H.Yamada,  
Dynamical Delocalization in a Coherently Time-Varying One-Dimensional Disordered System,  
Proc. of the 1st Tohwa University Int. Meet. on statistical Physics, (Bussei Kenkyu, (Kyoto) **66**,1996), 472-473.
5. M. Goda, K. Itagaki and H. Yamada,  
Particle Diffusion in Correlated Disordered Media near Transition Point,  
Prog. Theor. Phys. Suppl.**126**, 363-366, (1997).
6. H. Yamada and T. Okabe,  
Dynamical Transition in One-Dimensional Lennard-Jones System,  
Proc. Int. Meet. on Statistical Physics (World Scientific,1998), 229-229.
7. K. Itagaki, H. Yamada and M. Goda,  
Particle Diffusion on the way toward Gaussian Process in Classical Liquid,  
Proc. Int. Meet. on Statistical Physics (World Scientific,1998), 74-74.

8. H. Yamada,  
Dynamical Delocalization of One-Dimensional Disordered System with Lattice Vibration,  
Physica **B263/264**, 156-159, (1999).
9. T. Okabe, H. Yamada and M. Goda,  
Dynamical Instability of One-Dimensional Lennard-Jones Lattice,  
Physica **B263/264**, 445-447, (1999).
10. K. Itagaki, H. Yamada and M. Goda,  
Particle Diffusion in Pre-Gaussian Time Regime of Classical Liquid,  
Slow Dynamics in Complex Systems, (AIP Conference Proceedings 469,1999), 701-702.
11. T. Okabe and H. Yamada,  
Lyapunov Instability of One-Dimensional Morse System,  
Proc. Int. Meet. on Statistical Physics (AIP Conference Proceedings 519, 2000), 338-340.
12. H. Yamada,  
Localization and Delocalization in One-Dimensional Quantum Systems with Time-Periodic  
Perturbation,  
Proc. Int. Meet. on Statistical Physics (AIP Conference Proceedings 519, 2000), 362-364.
13. T. Okabe and H. Yamada,  
Lyapunov Spectra of Correlated Random Matrices,  
Prog. Theor. Phys. Suppl. **138**, 592-593, (2000).
14. T. Okabe and H. Yamada,  
Lyapunov Analysis of One-Dimensional Lennard-Jones System,  
Prog. Theor. Phys. Suppl. **138**, 578-579,(2000).
15. H. Yamada,  
Irreversible Energy Flow in One-Dimensional Disordered Systems Coupled with a Few  
Phonon Modes,  
Proc. of the 8th ASIA-PACIFIC Physics Conference (APPC2000), (World Scientific  
2001), 412-414.
16. H. Yamada,  
Dynamically Delocalized State and Classicalization of the Quantum Wavepacket,

Proc. of Quntum Limits to the Second Law: First Int. Conf. edited by Danieal P. Sheehan,  
(AIP Conference Proceedings 643, 2002), 77-82.

17. H.Yamada,

Delocalization and Dissipative Property in 1D Disordered System with Oscillatory Perturbatuin,

Proc. of Japan-Italy Joint Workshop on Quantum Open System, Quantum Chaos and Quantum Measurement: Fundamental Aspects of Quantum Physics, Ed. by L. Accardi and S. Tasaki,

, 80-99 (World Scientific 2003) . \*\*

18. H.Yamada,

Delocalization and Classicalization of Quantum Wavepacket in Kicked Anderson Model,  
Proc. of Waseda Symposium02, edited by S.Nakazato, J.Phys.Soc.Japn.Suppl. **C 72** ,  
101-104 (2003).

19. H.Yamada,

Localization and Delocalization in Kicked Anderson Model,

Proc. of Localization2002, J.Phys.Soc.Japn.Suppl. **A 72**, 125-126 (2003).

20. H.Yamada,

Localization in One-Dimensional Correlated Disordered System,

Proc. of Localization2002, J.Phys.Soc.Japn.Suppl. **A 72**, 123-124 (2003).

21. H.Yamada,

Localization in Disordered Two-Chain System with Long-Range Correlation,

Proc. Int. Meet. on Slow Dynamics in Complex Systems, (AIP Conference Proceedings 708, 2004), p773-774.

22. A. Igarashi and H. Yamada,

Decoherence of Quantum Tunneling by Coherent Phonon Modes in Symmetric Double-Well System,

phys. stat. sol. (c) 11, 2812-2815 (2004).

23. S. Kinoshita, K. Iguchi and H.S. Yamada,

Robustness of Attractor in Complex Networks with Scale-free Topology,

The Proceedings of the 2007 Annual Conference of the Japanese Society for Bioinformatics(JSBi2007), P026(2007).

24. S. Kinoshita, K. Iguchi and H.S. Yamada,  
Robustness of Attractor States in Complex Networks,  
AIP Conference Proceedings **982**, 768-771(2008). cond-mat/0708.2585
25. S. Kinoshita, K. Iguchi and H.S. Yamada,  
Attrrctor States of Boolean Dynamics in Complex Networks,  
Prog. Theor. Phys. Suppl. 173, 342-350 (2008).
26. S. Kinoshita, K. Iguchi and H.S. Yamada,  
Robustness of Attractor in Complex Networks with Scale-free Topology II,  
The Proceedings of the 2008 Annual Conference of the Japanese Society for Bioinformatics(JSBi2008), P026(2008).
27. S. Kinoshita, K. Iguchi and H.S. Yamada,  
Robustness of Attractor in Complex Networks with Scale-free Topology III,  
The Proceedings of the 2009 Annual Conference of the Japanese Society for Bioinformatics(JSBi2009), P096(2009).
28. S. Kinoshita and H.S. Yamada, Stability of Attractors in Biological Networks,  
Communications and Information Technologies (ISCIT), 2010 International Symposium,  
IEEE proceedings 839-843 (2010)[5 pages].
29. S. Kinoshita and H.S. Yamada,  
The effect of removal of self-loop for attractor in cell cycle network,  
pp 346-351, in Unifying Themes in Complex Systems IX: Proceedings of the Ninth International Conference on Complex Systems (Springer Proceedings in Complexity, Springer Nature Switzerland AG 2018) Ed. by Alfredo J. Morales et al.[5pages].

## 日本語による出版物・研究会報告 など

Hiroaki YAMADA

September, 2019

### 日本語による出版物 など<sup>1</sup>

1. 合田正毅, 山田弘明, ランダムポテンシャル中の一電子のスペクトル・波動関数と量子拡散, 物性研究 **58-1**, 37-37, 1992.
2. 山田弘明, 合田正毅, 池田研介, 動的ランダム場中における量子拡散, 物性研究 **59-6**, 832-839, 1993.
3. 山田弘明, カオスとフラクタル, 平成6年度新潟大学工学部公開講座テキスト, 14-17, 1994.
4. 山田弘明, 一次元ランダム系における動的非局在化, 物性研究 **70-4**, 561-564, 1998.
5. 岡部恒康, 山田弘明, 一次元 Lennard-Jones 系のカオス, 物性研究 **70-4**, 577-580, 1998.
6. 山田弘明, 一次元ランダム系における局在と散逸, 物性研究 **72-3**, 255-266, 1999.
7. 山田弘明, 一次元ランダム系における自発的散逸, 物性研究 **77-5**, 887-891(2002).
8. 山田弘明, 量子複雑系における散逸の自己組織化, 第1回新潟大学プロジェクト「複雑系のダイナミックスとその認知的創発性」研究報告書, 23-36, 2002.
9. 山田弘明, 長距離相関のある一次元ランダム系における局在・非局在, [注] 物性研究 ??, (2003), に研究会報告として掲載予定であったが、この「非平衡系の統計物理」シンポジウム」と物性研究の関係で、掲載できなくなった模様である。詳細は、有光敏彦 物性研究 82(2004), p845 10年を振り返ってー「非平衡系の統計物理」シンポジウム (<http://www.px.tsukuba.ac.jp/home/tcm/arimitsu/10years.pdf>)、を参照。また、原稿は著者の webpage、<http://www.uranus.dti.ne.jp/hyamada/presentation/presenindex.htm> でも読むことができる。
10. 山田弘明, 「生物多様性」という言葉に見る「便利さ」の危険, 自然保護 **517**, 22-22(2010).
11. 山田弘明, 「専任教育コーディネータ」の設置, 大学の物理教育 **16**, 172-172(2010). [注] 関連するより詳しい原稿は著者の webpage に置いてある。
12. 物理学の考え方と生物学的観点の共存と対立ー水野氏の講義にインスパイアされてー (2011).

<sup>1</sup> 非公表の原稿を含む。物性研究の原稿は京都大学学術情報リポジトリ (KURENAI) より download 可能。  
<http://repository.kulib.kyoto-u.ac.jp/dspace/>

13. 山田弘明, 絶滅危惧「雑誌」の将来について, 物性研究 **94**, 528-529(2010).
14. 山田弘明, 書評『大串隆之・近藤倫生・難波利幸 編 「シリーズ群集生態学3 生物間ネットワークを紐とく」 京都大学学術出版会 2009』日本生態学会 ニュースレター No.26, 2012 年 1 月 p13-15(2012).
15. 山田弘明, 書評『宮内 泰介 編「半栽培の環境社会学—これからの人と自然」 昭和堂 2009』日本生態学会 ニュースレター No.27, 2012 年 5 月 p32-34(2012).
16. 山田弘明. フジって不思議, 自然保護 528, 38-39 (2012).
17. 山田弘明. 講義前にとった学生へのアンケート, 大学の物理教育 18, 92-92 (2012).
18. 山田弘明, 稲刈りで思うこと, 自然保護 530, 26-26 (2012).
19. 山田弘明, 身近で不思議な物理現象, 大学の物理教育 18, 138-138 (2012).
20. 山田弘明, 書評『江口英輔・蟻川謙太郎 編 「色々な感覚の世界 超感覚の仕組みを探る」 学会出版センター 2010』日本生態学会 ニュースレター No.29, 2013 年 1 月 p10-12(2013).
21. 山田弘明, 実質的、文理融合教育か?, 大学の物理教育 19, 43-43 (2013).
22. 山田弘明, 書評『J. ハート著「環境問題の数理科学入門」 シュプリンガー・ジャパン 2010』日本生態学会 ニュースレター No.30, 2013 年 5 月 p36-37(2013).
23. 山田弘明, 池田研介, パデ解析による波動関数の特異性診断—その壱—, 物性研究・電子版 Vol.2, No. 3, 023101(2013 年 8 月号)[50 pages].
24. 山田弘明, 池田研介, パデ解析による波動関数の特異性診断—その弐—, 物性研究・電子版 Vol.2, No. 3, 023102(2013 年 8 月号)[50 pages].
25. 山田弘明, 山下陽介, 小野裕明, アンケートを通してみる学生の状況:「自然現象の数学」に関して, 日本歯科大学紀要:一般教育系 43 巻 7-16 (2014)[10 pages].
26. 山田弘明, 山下陽介, 小野裕明, アンケートを通してみる学生の状況 (II):「自然現象の数学」に関して, 日本歯科大学紀要 :一般教育系 43 巻 17-25 (2014)[9pages].
27. 山田弘明, 山下陽介, 小野裕明, アンケートを通してみる学生の状況 (III):「自然現象の数学」に関して, 日本歯科大学紀要 :一般教育系 44 巻 1-10 (2015)[10pages].
28. 山田弘明, 山下陽介, 小野裕明, 学生アンケートによる黄金比に関する感覚, 日本歯科大学紀要 :一般教育系 44 巻 11-19(2015)[9 pages].

29. 山田弘明, 紅白のカタクリ, 自然保護 550, 28-29 (2016).
30. 山田弘明, 山下陽介, 小野裕明, アンケートを通してみる学生の状況 (IV): 「自然現象の数学」に関して, 日本歯科大学紀要 : 一般教育系 45 巻 1-7 (2016)[7 pages].
31. 山田弘明, 山下陽介, 小野裕明, 歯科基礎系教育 (数学関連) と大学入試, 日本歯科大学紀要 : 一般教育系 45 巻 9-15(2016)[7 pages].
32. 木下修一, 山田弘明, Yeast 菌の細胞周期に関わる制御ネットワークにおける自己ループの役割, 京都大学数理解析研究所講究録 第 1994 巻 (2016 年)1-5[5 pages]. (2015 年 11 月の京都大学数理解析研究所での「第 1 2 回生物数学の理論とその応用」での発表の報告書.) <http://www.kurims.kyoto-u.ac.jp/~kyodo/kokyuroku/contents/pdf/1994-01.pdf>
33. 山田弘明, アンケートを通してみる学生の状況 (IV): 「自然現象の数学」に関して, 山田物理學研究所紀要 (教育編) 1 巻 1-7 (2016)[7 pages]. [内容は日本歯科大での講義に関するものである]
34. 山田弘明, 大学の教養教育について, 山田物理學研究所紀要 (教育編) 1 巻 8-13 (2016)[6 pages].
35. 山田弘明, 池田研介, (仮) 局在・非局在転移と量子状態の特異性-複素ダイナミクス-(未完)
36. 山田弘明, 山田弘明, 松井文宏, 池田研介, (仮) 動的摂動に起因する量子写像系における局在・非局在現象-臨界スケーリング解析-(未完)
37. 木下修一, 山田弘明, 出芽酵母菌の細胞周期ネットワークにおける抑制自己ループ, 武蔵野大学紀要 : 3 号 1-6 (2018)[6 pages].
38. (著書) 山田弘明 「自然現象の数学 (上)-数・数列・関数-」 (太陽書房 2018)
39. (著書) 山田弘明 「自然現象の数学 (下)-確率・統計-」 (太陽書房 2018)
40. (著書) 山田弘明 「自然現象の数学 (中)-微分・積分-」 (太陽書房 2019)