

List of Publications of Hitoshi Kitada

1. A stationary approach to long-range scattering, *Osaka J. Math.*, 13(1976), 311-333.
(<http://projecteuclid.org/euclid.ojm/1200769515>)
2. On the completeness of modified wave operators, *Proc. Japan Acad.*, 52(1976), 409-412.
(<http://projecteuclid.org/euclid.pja/1195518239>)
3. Scattering theory for Schrödinger operators with long-range potentials I, abstract theory, *J. Math. Soc. Japan*, 29(1977), 665-691. (<http://projecteuclid.org/euclid.jmsj/1240432861>)
4. Scattering theory for Schrödinger operators with long-range potentials II, spectral and scattering theory, *J. Math. Soc. Japan*, 30(1978), 603-632. (<http://projecteuclid.org/euclid.jmsj/1240432340>)
5. Asymptotic behavior of some oscillatory integrals, *J. Math. Soc. Japan*, 31(1979), 127-140.
(<http://projecteuclid.org/euclid.jmsj/1240319483>)
6. Correction to “Asymptotic behavior of some oscillatory integrals”, *J. Math. Soc. Japan*, 32(1980), 781-782. (<http://projecteuclid.org/euclid.jmsj/1240234450>)
7. On a construction of the fundamental solution for Schrödinger equations, *J. Fac. Sci., The Univ. Tokyo*, 27(1980), 193-226. (<http://repository.dl.itc.u-tokyo.ac.jp/dspace/handle/2261/6262>)
8. A family of Fourier integral operators and the fundamental solution for a Schrödinger equation, (with H. Kumano-go), *Osaka J. Math.*, 18(1981), 291-360.
(<http://projecteuclid.org/euclid.ojm/1200774197>)
9. Scattering theory for Schrödinger equations with time-dependent potentials of long-range type, *J. Fac. Sci., The Univ. Tokyo*, 29(1982), 353-369.
(<http://repository.dl.itc.u-tokyo.ac.jp/dspace/bitstream/2261/6355/1/jfs290205.pdf>)
10. A scattering theory for time-dependent long-range potentials, (with K. Yajima), *Duke Math. J.*, 49(1982), 341-376.
(<http://projecteuclid.org/euclid.dmj/1077315234>)
11. A calculus of Fourier integral operators and the global fundamental solution for a Schrödinger equation, *Osaka J. Math.*, 19(1982), 863-900. (<http://projecteuclid.org/euclid.ojm/1200775542>)
12. Remarks on our paper “A scattering theory for time-dependent long-range potentials”, (with K. Yajima), *Duke Math. J.*, 50(1983), 1005-1016. (<http://projecteuclid.org/euclid.dmj/1077303487>)
13. Bound states and scattering states for time periodic Hamiltonians, (with K. Yajima), *Ann. Inst. H. Poincaré*, XXXIX(1983), 145-157.
14. Time-decay of the high energy part of the solution for a Schrödinger equation, *J. Fac. Sci., The Univ. Tokyo*, 31(1984), 109-146. (<http://repository.dl.itc.u-tokyo.ac.jp/dspace/handle/2261/6397>)
15. Asymptotic behavior of the scattering amplitude at high energies, (with H. Isozaki), in “Differential Equations,” ed. by I. W. Knowles and R. T. Lewis, North-Holland (1984), pp.327-334.
(<http://www.sciencedirect.com/science/article/pii/S0304020808737113>)
16. Micro-local resolvent estimates for 2-body Schrödinger operators, (with H. Isozaki), *J. Funct. Anal.*, 57(1984), 270-300. (<http://www.sciencedirect.com/science/article/pii/0022123684901046>)
17. Modified wave operators with time-independent modifiers, (with H. Isozaki), *J. Fac. Sci., The Univ. Tokyo*, 32(1985), 77-104.
(<http://repository.dl.itc.u-tokyo.ac.jp/dspace/bitstream/2261/6412/1/jfs320102.pdf>
<http://jairo.nii.ac.jp/0021/00004439/en>)

18. A remark on the micro-local resolvent estimates for two-body Schrödinger operators, (with H. Isozaki), Publ. RIMS, Kyoto Univ., 21(1985), 889-910.
(https://www.emis-ph.org/journals/show_pdf.php?issn=0034-5318&vol=21&iss=5&rank=1)
19. Scattering matrices for two-body Schrödinger operators, (with H. Isozaki), Sci. Papers of the Coll. Arts and Sci., The Univ. Tokyo, 35(1985), 81-107.
(<http://repository.dl.itc.u-tokyo.ac.jp/dspace/bitstream/2261/21174/1/scp035005.pdf>
<http://jairo.nii.ac.jp/0021/00011589>)
20. A relation between the modified wave operators W_J^\pm and W_D^\pm , Sci. Papers of the Coll. Arts and Sci., The Univ. Tokyo, 36(1986), 91-105.
21. Fourier integral operators with weighted symbols and micro-local resolvent estimates, J. Math. Soc. Japan, 39(1987), 455-476.
(<http://projecteuclid.org/euclid.jmsj/1230130348>)
22. Scattering theory in quantum mechanics, Sugaku (Mathematics), 39, 1987, 159-167 (In Japanese).
23. Fundamental solutions and eigenfunction expansions for Schrödinger operators, I. Fundamental solutions, Math. Z., 198(1988), 181-190.
(<http://link.springer.com/article/10.1007%2F01163289?LI=true>)
24. Fundamental solutions and eigenfunction expansions for Schrödinger operators, II. Eigenfunction expansions, (with A. Jensen), Math. Z., 199(1988), 1-13.
(<http://link.springer.com/article/10.1007%2F01160205?LI=true>)
25. Fundamental solutions and eigenfunction expansions for Schrödinger operators, III. Complex potentials, Sci. Papers Coll. Arts and Sci., The Univ. of Tokyo, 39(1989), 109-123.
26. Asymptotic completeness of N -body wave operators, I. Short-range quantum systems, Rev. in Math. Phys. 3(1991), 101-124.
(<http://www.worldscientific.com/doi/abs/10.1142/S0129055X91000047>)
27. Asymptotic completeness of N -body wave operators, II. A new proof for the short-range case and the asymptotic clustering for long-range systems, in "Functional Analysis and Related Topics, 1991," ed. H. Komatsu, Lect. Note in Math. 1540, Springer-Verlag, 1993, pp.149-189.
(<http://link.springer.com/chapter/10.1007%2F0116085479>)
28. Quantum theory of scattering – From Kato school to Enss, Sigal, Suri-Kagaku (Mathematical Sciences), No. 347, May 1992 (In Japanese).
29. N -body scattering and chaos – classical and quantum theory, Bussei Kenkyu Vol. 59, No.6 (19930320) pp. 812-827 (http://ci.nii.ac.jp/vol_issue/nels/AN0021948X/ISS0000412986-jp.html).
30. Theory of local times, Il Nuovo Cimento, 109 B (1994), No. 3, 281-302.
(<http://link.springer.com/article/10.1007%2F011602727290>
(<http://arxiv.org/abs/astro-ph/9309051>))
31. Theory of local times II. Another formulation and examples (<http://xxx.lanl.gov/abs/gr-qc/9403007>) (1994).
32. Local time and the unification of physics Part I. Local time, (with L. Fletcher), Apeiron, 3 (1996), No. 2, 38-45. (<http://www.freelance-academy.org/time/LOCLTIME.PDF>)
33. What are Mathematical Sciences, Suri-Kagaku (Mathematical Sciences), No. 398, August 1996 (In Japanese), pp. 63–74.
34. Quantum mechanics and relativity — Their unification by local time — in "Spectral and Scattering Theory," ed. A. G. Ramm, Plenum Press, New York, 1998, pp.39-66. (<http://xxx.lanl.gov/abs/gr-qc/9612043>)

35. Comments on the Problem of Time — A response to “A Possible Solution to the Problem of Time in Quantum Cosmology” by Stuart Kauffman and Lee Smolin, (with L. Fletcher) (<http://xxx.lanl.gov/abs/gr-qc/9708055>) (1997).
36. A possible solution for the non-existence of time, (<http://xxx.lanl.gov/abs/gr-qc/9910081>) (1999).
37. Quantum mechanical time contradicts the uncertainty principle, (<http://xxx.lanl.gov/abs/gr-qc/9911060>) (1999).
38. Scattering Spaces and a Decomposition of Continuous Spectral Subspace of N -body Quantum Systems, (<http://xxx.lanl.gov/abs/math.SP/9912244>) (2000).
39. Three dimensional time and energy operators and an uncertainty relation, (<http://xxx.lanl.gov/abs/quant-ph/0007028>) (2000).
40. Quantum Mechanical Clock and Classical Relativistic Clock, (<http://xxx.lanl.gov/abs/gr-qc/0102057>) (2001).
41. Local Time and the Unification of Physics Part II. Local System, (<http://xxx.lanl.gov/abs/gr-qc/0110066>) (2001).
42. Locality and the Universe, International Conference on “time,” “KitadaTime,” Interaction and Communication - Trinity, Canada, August 28 - 31, 2002 at Ceta-Research, Trinity, Newfoundland, Canada, keynote speech, (http://www.metasciences.ac/time_XI.pdf) (2002).
43. Time is just an auxiliary parameter, (http://www.metasciences.ac/time_XII.pdf) (2002).
44. Rhythm Based Time and the conventional time, (http://www.metasciences.ac/time_XIII.pdf) (2002).
45. Inconsistent Universe – Physics as a meta-science –, (<http://arXiv.org/abs/physics/0212092>) (2002).
46. Is mathematics consistent? (<http://arXiv.org/abs/math.GM/0306007>) (2003).
47. Does Church-Kleene ordinal ω_1^{CK} exist? (<http://arXiv.org/abs/math.GM/0307090>) (2003).
48. Quantum Mechanics, Lectures in Mathematical Sciences, vol. 23, The University of Tokyo, 2005, ISSN 0919-8180, ISBN 1-000-01896-2 (<http://arxiv.org/abs/quant-ph/0410061>).
49. Introduction to Mathematics for Scientists, (with T. Ono), Gendai-Suugaku-Sha, February 14, 2006, ISBN 4-7687-0358-5.
50. Fundamental solution global in time for a class of Schrödinger equations with time-dependent potentials, *Commun. in Math. Anal.* 1(2006) 137-147. (http://www.ripublication.com/cma_files/cmav1n2_8.pdf) (<http://arxiv.org/abs/math.AP/0607101>).
51. A Story of Fourier Analysis 1 - 12, *Mathematics for Scientists* vol. 39, No. 6 - vol. 40, No. 5, Gendai-Suugaku-Sha, June, 2006 - May, 2007, ISSN 1344-1345.
52. A Story of Fourier Analysis, Gendai-Suugaku-Sha, November 1, 2007, viii + 371 pp. ISBN 978-4-7687-0377-9.
53. Gödel’s Incompleteness Theorem 1 - 12, *Mathematics for Scientists*, vol. 41, No. 4 - vol. 42, No. 3, Gendai-Suugaku-Sha, April, 2008 - March, 2009, ISSN 1344-1345.
54. An implication of Gödel’s incompleteness theorem, *International Journal of Pure and Applied Mathematics*, 52 (2009), No. 4, 511-567 (<http://www.ijpam.eu/contents/2009-52-4/6/6.pdf>).
55. Asymptotically outgoing and incoming spaces and quantum scattering, *Commun. Math. Anal.* 8 (2010), No. 1, 12-25 (http://projecteuclid.org/DPubS/Repository/1.0/Disseminate?handle=euclid.cma/1270646491&view=body&content-type=pdf_1).

56. Scattering theory for the fractional power of negative Laplacian, *J. Abstr. Differ. Equ. Appl.*, 1 (2010), No. 1, 1-26 (<http://math-res-pub.org/jadea/1/1/scattering-theory-fractional-power-negative-laplacian>).
57. A remark on simple scattering theory, *Commun. Math. Anal.* 11 (2011), No. 2, 124-138 (http://projecteuclid.org/DPubS/Repository/1.0/Disseminate?handle=euclid.cma/1298669958&view=body&content-type=pdf_1).
58. A story of Lebesgue integral 1-10, *Mathematics for Scientists*, vol. 43, No. 7 - vol. 44, No. 4, Gendai-Suugaku-Sha, July, 2010 - April, 2011, ISSN 1344-1345.
59. Rebuttal to the review of my paper "An implication of Gödel's incompleteness theorem" appeared in *Zentralblatt für Mathematik, International Journal of Pure and Applied Mathematics*, 70 (2011), No. 1, 11-14 (<http://www.ijpam.eu/contents/2011-70-1/2/2.pdf>).
60. Gödel, A way toward the Discovery of the Incompleteness, Gendai-Suugaku-Sha, May 16, 2011, vi + 180 pp. ISBN 978-4-7687-0391-5.
61. An implication of Gödel's incompleteness theorem II: Not referring to the validity of oneself's assertion, *Commun. Math. Anal.* 10 (2011), No. 2, 24-52 (http://projecteuclid.org/DPubS/Repository/1.0/Disseminate?handle=euclid.cma/1322489163&view=body&content-type=pdf_1).
62. Timeless system, superluminal phenomena, dark matter and big bang, *International Journal of Mathematical Sciences*, 11 (2012), No. 1-2, Jan.-June 2012, 141-151 (http://www.metasciences.ac/time_XV.pdf).
63. Introduction to Mathematical Analysis, Gendai-Suugaku-Sha, Oct. 7, 2012, x + 591 pp. ISBN 978-4-7687-0407-3.
64. Wave operators and similarity for long range N -body Schrödinger operators, *Commun. Math. Anal.* 19 (2016), No. 1, 6-66 (<http://arxiv.org/abs/1511.05137>).