

# Takayoshi Ubuka

## List of Publications by Year in descending order

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104  
papers

7,231  
citations

57758

44  
h-index

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84  
g-index

109  
all docs

109  
docs citations

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times ranked

2200  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Identification and characterization of a gonadotropin-inhibitory system in the brains of mammals. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2410-2415.                                       | 7.1 | 497       |
| 2  | Variation in Kisspeptin and RFamide-Related Peptide (RFRP) Expression and Terminal Connections to Gonadotropin-Releasing Hormone Neurons in the Brain: A Novel Medium for Seasonal Breeding in the Sheep. Endocrinology, 2008, 149, 5770-5782. | 2.8 | 335       |
| 3  | Stress increases putative gonadotropin inhibitory hormone and decreases luteinizing hormone in male rats. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11324-11329.                             | 7.1 | 318       |
| 4  | Potent Action of RFamide-Related Peptide-3 on Pituitary Gonadotropes Indicative of a Hypophysiotropic Role in the Negative Regulation of Gonadotropin Secretion. Endocrinology, 2008, 149, 5811-5821.  | 2.8 | 301       |
| 5  | Melatonin induces the expression of gonadotropin-inhibitory hormone in the avian brain. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3052-3057.   | 7.1 | 297       |
| 6  | Identification, Expression, and Physiological Functions of Siberian Hamster Gonadotropin-Inhibitory Hormone. Endocrinology, 2012, 153, 373-385.  | 2.8 | 265       |
| 7  | Gonadotropin-Inhibitory Hormone Inhibits Gonadal Development and Maintenance by Decreasing Gonadotropin Synthesis and Release in Male Quail. Endocrinology, 2006, 147, 1187-1194.  | 2.8 | 260       |
| 8  | Gonadotropin-Inhibitory Hormone Neurons Interact Directly with Gonadotropin-Releasing Hormone-I and -II Neurons in European Starling Brain. Endocrinology, 2008, 149, 268-278.   | 2.8 | 251       |
| 9  | Identification of Human GnIH Homologs, RFRP-1 and RFRP-3, and the Cognate Receptor, GPR147 in the Human Hypothalamic Pituitary Axis. PLoS ONE, 2009, 4, e8400.   | 2.5 | 242       |
| 10 | Gonadotropin-inhibitory hormone (GnIH) and its control of central and peripheral reproductive function. Frontiers in Neuroendocrinology, 2010, 31, 284-295.  | 5.2 | 239       |
| 11 | A novel G protein-coupled receptor for gonadotropin-inhibitory hormone in the Japanese quail ( <i>Coturnix japonica</i> ): identification, expression and binding activity. Journal of Endocrinology, 2005, 184, 257-266.                      | 2.6 | 199       |
| 12 | Gonadotropin-inhibitory hormone identification, cDNA cloning, and distribution in rhesus macaque brain. Journal of Comparative Neurology, 2009, 517, 841-855.  | 1.6 | 184       |
| 13 | Distribution of a novel avian gonadotropin-inhibitory hormone in the quail brain. Cell and Tissue Research, 2003, 312, 73-79.  | 2.9 | 179       |
| 14 | Gonadotropin Inhibitory Hormone Depresses Gonadotrophin $\beta$ and Follicle-Stimulating Hormone $\beta$ Subunit Expression in the Pituitary of the Domestic Chicken. Journal of Neuroendocrinology, 2004, 16, 999-1006.                       | 2.6 | 174       |
| 15 | Gonadotropin-inhibitory hormone and its receptor in the avian reproductive system. General and Comparative Endocrinology, 2008, 156, 34-43.  | 1.8 | 172       |
| 16 | Gonadotropin-inhibitory hormone (GnIH): Discovery, progress and prospect. General and Comparative Endocrinology, 2012, 177, 305-314.   | 1.8 | 154       |
| 17 | Melatonin Stimulates the Release of Gonadotropin-Inhibitory Hormone by the Avian Hypothalamus. Endocrinology, 2010, 151, 271-280.  | 2.8 | 133       |
| 18 | Gonadotropin-Inhibitory Hormone Inhibits GnRH-Induced Gonadotropin Subunit Gene Transcriptions by Inhibiting AC/cAMP/PKA-Dependent ERK Pathway in LH-T2 Cells. Endocrinology, 2012, 153, 2332-2343.  | 2.8 | 113       |

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|----|--|------|-----------|
| 19 | Developmental changes in gonadotropin-inhibitory hormone in the Japanese quail ( <i>Coturnix japonica</i> ) hypothalamo-hypophysial system. <i>Journal of Endocrinology</i> , 2003, 178, 311-318.  | 2.6  | 112       |
| 20 | Hypothalamic inhibition of socio-sexual behaviour by increasing neuroestrogen synthesis. <i>Nature Communications</i> , 2014, 5, 3061.   | 12.8 | 110       |
| 21 | Seasonal control of gonadotropin-inhibitory hormone (GnIH) in birds and mammals. <i>Frontiers in Neuroendocrinology</i> , 2015, 37, 65-75.   | 5.2  | 98        |
| 22 | The general and comparative biology of gonadotropin-inhibitory hormone (GnIH). <i>General and Comparative Endocrinology</i> , 2007, 153, 365-370.  | 1.8  | 94        |
| 23 | Gonadotropin-inhibitory hormone (GnIH), GnIH receptor and cell signaling. <i>General and Comparative Endocrinology</i> , 2013, 190, 10-17.   | 1.8  | 92        |
| 24 | Molecular Basis for the Activation of Gonadotropin-Inhibitory Hormone Gene Transcription by Corticosterone. <i>Endocrinology</i> , 2014, 155, 1817-1826.   | 2.8  | 88        |
| 25 | Molecular, cellular, morphological, physiological and behavioral aspects of gonadotropin-inhibitory hormone. <i>General and Comparative Endocrinology</i> , 2016, 227, 27-50.  | 1.8  | 87        |
| 26 | Review: regulatory mechanisms of gonadotropin-inhibitory hormone (GnIH) synthesis and release in photoperiodic animals. <i>Frontiers in Neuroscience</i> , 2013, 7, 60.  | 2.8  | 86        |
| 27 | Gonadotropin-inhibitory hormone-stimulation of food intake is mediated by hypothalamic effects in chicks. <i>Neuropeptides</i> , 2014, 48, 327-334.  | 2.2  | 86        |
| 28 | Evolutionary Origin of the Structure and Function of Gonadotropin-Inhibitory Hormone: Insights from Lampreys. <i>Endocrinology</i> , 2012, 153, 2362-2374.   | 2.8  | 77        |
| 29 | A Journey through the Gonadotropin-Inhibitory Hormone System of Fish. <i>Frontiers in Endocrinology</i> , 2017, 8, 285.  | 3.5  | 76        |
| 30 | Photoperiod and Reproductive Condition Are Associated with Changes in RFamide-Related Peptide (RFRP) Expression in Syrian Hamsters ( <i>Mesocricetus auratus</i> ). <i>Journal of Biological Rhythms</i> , 2010, 25, 176-185.  | 2.6  | 74        |
| 31 | Mode of action and functional significance of avian gonadotropin-inhibitory hormone (GnIH): a review. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2006, 305A, 801-806.   | 1.3  | 69        |
| 32 | Mollusc gonadotropin-releasing hormone directly regulates gonadal functions: A primitive endocrine system controlling reproduction. <i>General and Comparative Endocrinology</i> , 2012, 176, 167-172.   | 1.8  | 67        |
| 33 | RNA Interference of Gonadotropin-Inhibitory Hormone Gene Induces Arousal in Songbirds. <i>PLoS ONE</i> , 2012, 7, e30202.  | 2.5  | 66        |
| 34 | Neuroendocrine regulation of gonadotropin secretion in seasonally breeding birds. <i>Frontiers in Neuroscience</i> , 2013, 7, 38.  | 2.8  | 64        |
| 35 | Contribution of GnIH Research to the Progress of Reproductive Neuroendocrinology. <i>Frontiers in Endocrinology</i> , 2015, 6, 179.  | 3.5  | 61        |
| 36 | A New Pathway Mediating Social Effects on the Endocrine System: Female Presence Acting via Norepinephrine Release Stimulates Gonadotropin-Inhibitory Hormone in the Paraventricular Nucleus and Suppresses Luteinizing Hormone in Quail. <i>Journal of Neuroscience</i> , 2014, 34, 9803-9811. | 3.6  | 59        |

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|----|--|-----|-----------|
| 37 | Effects of social cues on GnRH-I, GnRH-II, and reproductive physiology in female house sparrows ( <i>Passer domesticus</i> ). <i>General and Comparative Endocrinology</i> , 2008, 156, 385-394.                         | 1.8 | 52        |
| 38 | Possible role of pineal allopregnanolone in Purkinje cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21110-21115.                                     | 7.1 | 52        |
| 39 | Inhibitory action of gonadotropin-inhibitory hormone on the signaling pathways induced by kisspeptin and vasoactive intestinal polypeptide in GnRH neuronal cell line, GT1a. <i>FASEB Journal</i> , 2016, 30, 2198-2210. | 0.5 | 52        |
| 40 | Identification, localization, and regulation of passerine GnRH-I messenger RNA. <i>Journal of Endocrinology</i> , 2009, 201, 81-87.  | 2.6 | 51        |
| 41 | Potential roles for GnIH and GnRH-II in reproductive axis regulation of an opportunistically breeding songbird. <i>General and Comparative Endocrinology</i> , 2011, 173, 20-26.   | 1.8 | 50        |
| 42 | Reproductive Neuroendocrine Pathways of Social Behavior. <i>Frontiers in Endocrinology</i> , 2016, 7, 28.  | 3.5 | 50        |
| 43 | Central and Direct Regulation of Testicular Activity by Gonadotropin-Inhibitory Hormone and Its Receptor. <i>Frontiers in Endocrinology</i> , 2014, 5, 8.  | 3.5 | 49        |
| 44 | GnIH Control of Feeding and Reproductive Behaviors. <i>Frontiers in Endocrinology</i> , 2016, 7, 170.  | 3.5 | 49        |
| 45 | The control of reproductive physiology and behavior by gonadotropin-inhibitory hormone. <i>Integrative and Comparative Biology</i> , 2008, 48, 560-569.  | 2.0 | 45        |
| 46 | Gonadotropin-inhibitory hormone: A Multifunctional Neuropeptide. <i>Journal of Neuroendocrinology</i> , 2009, 21, 276-281.   | 2.6 | 44        |
| 47 | Identification of European starling GnRH-I precursor mRNA and its seasonal regulation. <i>General and Comparative Endocrinology</i> , 2009, 162, 301-306.  | 1.8 | 42        |
| 48 | Identification, localization and expression of LPXRFamide peptides, and melatonin-dependent induction of their precursor mRNA in the newt brain. <i>Journal of Endocrinology</i> , 2011, 209, 211-220.                   | 2.6 | 42        |
| 49 | How to Contribute to the Progress of Neuroendocrinology: Discovery of GnIH and Progress of GnIH Research. <i>Frontiers in Endocrinology</i> , 2018, 9, 662.  | 3.5 | 40        |
| 50 | Gonadotropin-inhibitory hormone action in the brain and pituitary. <i>Frontiers in Endocrinology</i> , 2012, 3, 148.   | 3.5 | 39        |
| 51 | Review: Structure, function and evolution of GnIH. <i>General and Comparative Endocrinology</i> , 2018, 264, 48-57.  | 1.8 | 38        |
| 52 | Evolutionary Origin of GnIH and NPFF in Chordates: Insights from Novel <i>Amphioxus</i> RFamide Peptides. <i>PLoS ONE</i> , 2014, 9, e100962.  | 2.5 | 37        |
| 53 | Review: neuroestrogen regulation of socio-sexual behavior of males. <i>Frontiers in Neuroscience</i> , 2014, 8, 323.   | 2.8 | 37        |
| 54 | Evolution of gonadotropin-inhibitory hormone receptor and its ligand. <i>General and Comparative Endocrinology</i> , 2014, 209, 148-161.   | 1.8 | 35        |

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|----|--|-----|-----------|
| 55 | Review: Melatonin stimulates the synthesis and release of gonadotropin-inhibitory hormone in birds. <i>General and Comparative Endocrinology</i> , 2013, 181, 175-178.   | 1.8 | 32        |
| 56 | Acute Stress Increases the Synthesis of 7 $\beta$ -Hydroxypregnenolone, a New Key Neurosteroid Stimulating Locomotor Activity, through Corticosterone Action in Newts. <i>Endocrinology</i> , 2012, 153, 794-805.  | 2.8 | 30        |
| 57 | Regulation of stress response on the hypothalamic-pituitary-gonadal axis via gonadotropin-inhibitory hormone. <i>Frontiers in Neuroendocrinology</i> , 2022, 64, 100953.   | 5.2 | 30        |
| 58 | A New Key Neurohormone Controlling Reproduction, Gonadotrophinâ€inhibitory Hormone in Birds: Discovery, Progress and Prospects. <i>Journal of Neuroendocrinology</i> , 2009, 21, 271-275.  | 2.6 | 29        |
| 59 | RNA interference of gonadotropin-inhibitory hormone gene induces aggressive and sexual behaviors in birds. <i>General and Comparative Endocrinology</i> , 2013, 181, 179-186.  | 1.8 | 28        |
| 60 | Gonadotropin-inhibitory hormone (GnIH): A new key neurohormone controlling reproductive physiology and behavior. <i>Frontiers in Neuroendocrinology</i> , 2021, 61, 100900.  | 5.2 | 28        |
| 61 | Existence of Galanin in LumboSacral Sympathetic Ganglionic Neurons That Project to the Quail Uterine Oviduct*. <i>Endocrinology</i> , 2000, 141, 4402-4412.  | 2.8 | 27        |
| 62 | Review: evolution of GnIH and related peptides structure and function in the chordates. <i>Frontiers in Neuroscience</i> , 2014, 8, 255.   | 2.8 | 25        |
| 63 | Breakthrough in neuroendocrinology by discovering novel neuropeptides and neurosteroids: 1. Discovery of gonadotropin-inhibitory hormone (GnIH) across vertebrates. <i>General and Comparative Endocrinology</i> , 2014, 205, 4-10.                                    | 1.8 | 25        |
| 64 | Identification, Localisation and Functional Implication of 26RFa Orthologue Peptide in the Brain of Zebra Finch ( <i>Taeniopygia guttata</i> ). <i>Journal of Neuroendocrinology</i> , 2011, 23, 791-803.  | 2.6 | 23        |
| 65 | Revealing a Circadian Clock in Captive Arctic-Breeding Songbirds, Lapland Longspurs ( <i>Calcarius lapponicus</i> ). <i>Journal of Neuroendocrinology</i> , 2014, 26, 107-114.   | 2.6 | 20        |
| 66 | Dual Actions of Mammalian and Piscine Gonadotropin-Inhibitory Hormones, RFamide-Related Peptides and LPXRFamide Peptides, in the Hypothalamicâ€Pituitaryâ€Gonadal Axis. <i>Frontiers in Endocrinology</i> , 2017, 8, 377.  | 3.5 | 20        |
| 67 | Molecular Mechanisms of Gonadotropin-Inhibitory Hormone (GnIH) Actions in Target Cells and Regulation of GnIH Expression. <i>Frontiers in Endocrinology</i> , 2019, 10, 110.   | 3.5 | 20        |
| 68 | Discovery of gonadotropin-inhibitory hormone (GnIH), progress in GnIH research on reproductive physiology and behavior and perspective of GnIH research on neuroendocrine regulation of reproduction. <i>Molecular and Cellular Endocrinology</i> , 2020, 514, 110914. | 3.2 | 20        |
| 69 | Developmental changes in galanin in lumboSacral sympathetic ganglionic neurons innervating the avian uterine oviduct and galanin induction by sex steroids. <i>Journal of Endocrinology</i> , 2001, 170, 357-368.  | 2.6 | 19        |
| 70 | A â€œTimedâ€ Kiss Is Essential for Reproduction: Lessons from Mammalian Studies. <i>Frontiers in Endocrinology</i> , 2016, 7, 121.   | 3.5 | 19        |
| 71 | Reproductive neuroendocrinology of mammalian gonadotropinâ€inhibitory hormone. <i>Reproductive Medicine and Biology</i> , 2019, 18, 225-233.   | 2.4 | 18        |
| 72 | Gonadotropin-inhibitory hormone inhibits aggressive behavior of male quail by increasing neuroestrogen synthesis in the brain beyond its optimum concentration. <i>General and Comparative Endocrinology</i> , 2014, 205, 49-54.                                       | 1.8 | 17        |

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|----|---|-----|-----------|
| 73 | Gonadotropin-inhibitory hormone mediates behavioral stress responses. <i>General and Comparative Endocrinology</i> , 2018, 265, 202-206.  | 1.8 | 17        |
| 74 | Putting the brakes on reproduction: Implications for conservation, global climate change and biomedicine. <i>General and Comparative Endocrinology</i> , 2016, 227, 16-26.  | 1.8 | 16        |
| 75 | RFamide peptides in agnathans and basal chordates. <i>General and Comparative Endocrinology</i> , 2016, 227, 94-100.  | 1.8 | 16        |
| 76 | Comparative and Evolutionary Aspects of Gonadotropin-Inhibitory Hormone and FMRFamide-Like Peptide Systems. <i>Frontiers in Neuroscience</i> , 2018, 12, 747.   | 2.8 | 16        |
| 77 | Existence of Galanin in Lumbosacral Sympathetic Ganglionic Neurons That Project to the Quail Uterine Oviduct. <i>Endocrinology</i> , 2000, 141, 4402-4412.  | 2.8 | 15        |
| 78 | Gonadotropin-Inhibitory Hormone. , 2013, , 802-811.   |     | 14        |
| 79 | Discovery of gonadotropin-inhibitory hormone in a domesticated bird, its mode of action and functional significance. <i>Journal Fur Ornithologie</i> , 2007, 148, 515-520.  | 1.2 | 12        |
| 80 | An Evolutionary Scenario for Gonadotrophinâ€inhibitory Hormone in Chordates. <i>Journal of Neuroendocrinology</i> , 2015, 27, 556-566.  | 2.6 | 11        |
| 81 | Identification of Transmembrane Protease Serine 2 and Forkhead Box A1 As the Potential Bisphenol A Responsive Genes in the Neonatal Male Rat Brain. <i>Frontiers in Endocrinology</i> , 2018, 9, 139.                               | 3.5 | 11        |
| 82 | Advancing reproductive neuroendocrinology through research on the regulation of GnIH and on its diverse actions on reproductive physiology and behavior. <i>Frontiers in Neuroendocrinology</i> , 2022, 64, 100955.                 | 5.2 | 10        |
| 83 | Neuroendocrine Control of Reproduction in Birds. , 2011, , 1-25.  |     | 9         |
| 84 | New Biosynthesis and Biological Actions of Avian Neurosteroids. <i>Journal of Experimental Neuroscience</i> , 2013, 7, JEN.S11148.  | 2.3 | 9         |
| 85 | Neuropeptidergic control of neurosteroids biosynthesis. <i>Frontiers in Neuroendocrinology</i> , 2022, 65, 100976.  | 5.2 | 8         |
| 86 | Photoperiodic Response of Serotonin- and Galanin-Immunoreactive Neurons of the Paraventricular Organ and Infundibular Nucleus in Japanese Quail, <i>Coturnix coturnix japonica</i> . <i>Zoological Science</i> , 2004, 21, 575-582. | 0.7 | 7         |
| 87 | Strain differences in intermale aggression and possible factors regulating increased aggression in Japanese quail. <i>General and Comparative Endocrinology</i> , 2018, 256, 63-70.   | 1.8 | 7         |
| 88 | Control of circadian activity of birds by the interaction of melatonin with 7Î±-hydroxypregnenolone, a newly discovered neurosteroid stimulating locomotion. <i>Journal of Ornithology</i> , 2012, 153, 235-243.                    | 1.1 | 6         |
| 89 | Gonadotropin-inhibitory hormone in seasonally-breeding songbirds: neuroanatomy and functional biology. <i>Journal Fur Ornithologie</i> , 2007, 148, 521-526.  | 1.2 | 5         |
| 90 | Avian Test Battery for the Evaluation of Developmental Abnormalities of Neuro- and Reproductive Systems. <i>Frontiers in Neuroscience</i> , 2016, 10, 296.  | 2.8 | 5         |

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|-----|---|-----|-----------|
| 91  | RFamide Peptide Family. , 2016, , 5-e1-2.   |     | 4         |
| 92  | Editorial: The Roles of GnIH in Reproductive Function and Behavior. Frontiers in Endocrinology, 2018, 9, 19.  | 3.5 | 4         |
| 93  | Photoperiodism in Mammalian Reproduction. , 2018, , 415-419.  |     | 3         |
| 94  | Editorial: Steroids and the Brain. Frontiers in Endocrinology, 2020, 11, 366.   | 3.5 | 3         |
| 95  | Amines. , 2021, , 1035-1036.  |     | 2         |
| 96  | Remembering Professor Toshihiko Ubuka (1934â€“2008). Amino Acids, 2011, 41, 3-5.  | 2.7 | 1         |
| 97  | Editorial: Progress in Reproductive Neuroendocrinology in Vertebrates. Frontiers in Endocrinology, 2019, 10, 895.   | 3.5 | 1         |
| 98  | RFamide peptide family. , 2021, , 13-15.  |     | 1         |
| 99  | Neuroendocrine Control of Reproduction in Birds. , 2011, , 1-25.  |     | 1         |
| 100 | Obituary of Professor Kazuyoshi Tsutsui. Neuroendocrinology, 2021, 111, 1266-1269.  | 2.5 | 1         |
| 101 | Gonadotropin-Inhibitory Hormone. , 2016, , 7-e1A-2.   |     | 0         |
| 102 | Noradrenaline/adrenaline. , 2021, , 1041-1044.  |     | 0         |
| 103 | Gonadotropin-inhibitory hormone. , 2021, , 17-20.   |     | 0         |
| 104 | Neuropeptide FF/neuropeptide AF receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, . | 0.2 | 0         |