

Kenta Matsumura

List of Publications by Year in descending order

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74
papers

1,111
citations

471371

17
h-index

526166

27
g-index

77
all docs

77
docs citations

77
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation between the Bayleyâ€”III at 3â€”years and the Wechsler Intelligence Scale for Children, Fourth Edition, at 6â€”years. <i>Pediatrics International</i> , 2022, 64, .	0.2	4
2	Impact of Low Ambient Temperature on the Occurrence of Spontaneous Intracerebral Hemorrhage-Analysis of Population-Based Stroke Registry in Toyama, Japan. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106156.	0.7	2
3	Causal model of the association of social support during pregnancy with a perinatal and postpartum depressive state: A nationwide birth cohort â€” the Japan Environment and Children's Study. <i>Journal of Affective Disorders</i> , 2022, 300, 540-550.	2.0	8
4	Change in cholesterol level during pregnancy and risk of postpartum depressive symptoms: the Japan Environment and Children's Study (JECS). <i>Acta Psychiatrica Scandinavica</i> , 2022, 145, 268-277.	2.2	2
5	Association between mothersâ€™ fish intake during pregnancy and infantsâ€™ sleep duration: a nationwide longitudinal studyâ€”The Japan Environment and Childrenâ€™s Study (JECS). <i>European Journal of Nutrition</i> , 2022, 61, 679-686.	1.8	3
6	Male intake of omega-3 fatty acids and risk of intimate partner violence perpetration: a nationwide birth cohort â€” the Japan Environment and Children's Study. <i>Epidemiology and Psychiatric Sciences</i> , 2022, 31, .	1.8	3
7	Pet ownership during pregnancy and mothers' mental health conditions up to 1 year postpartum: A nationwide birth cohortâ€”the Japan environment and Children's study. <i>Social Science and Medicine</i> , 2022, , 115216.	1.8	1
8	Predictors of non-response to successive waves of surveys in the Japan Environment and Childrenâ€™s Study during the 3-year postpartum period: a longitudinal cohort study. <i>BMJ Open</i> , 2022, 12, e050087.	0.8	0
9	Effect estimate of time-varying social support and trust on the physical and mental health of mothers at 2.5 years postpartum: The Japan Environment and Childrenâ€™s Study (JECS). <i>Journal of Epidemiology</i> , 2021, , .	1.1	5
10	Paternal childcare at 6 months and risk of maternal psychological distress at 1 year after delivery: The Japan Environment and Childrenâ€™s Study (JECS). <i>European Psychiatry</i> , 2021, 64, e38.	0.1	5
11	Factors influencing exclusive breastfeeding rates until 6 months postpartum: the Japan Environment and Childrenâ€™s Study. <i>Scientific Reports</i> , 2021, 11, 6841.	1.6	24
12	Influence of infantsâ€™ feeding patterns and duration on mothersâ€™ postpartum depression: A nationwide birth cohort â€”The Japan Environment and Children's Study (JECS). <i>Journal of Affective Disorders</i> , 2021, 285, 152-159.	2.0	8
13	House Dust Avoidance during Pregnancy and Subsequent Infant Development: The Japan Environment and Childrenâ€™s Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4277.	1.2	2
14	Omega-3 fatty acid intake during pregnancy and risk of infant maltreatment: a nationwide birth cohort â€” the Japan Environment and Children's Study. <i>Psychological Medicine</i> , 2021, , 1-10.	2.7	12
15	Infantile Hemangioma and the Risk Factors in a Japanese Population: A Nationwide Longitudinal Studyâ€”The Japan Environment and Childrenâ€™s Study. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2745-2748.e2.	0.3	7
16	Association of cesarean birth with prevalence of functional constipation in toddlers at 3 years of age: results from the Japan Environment and Childrenâ€™s Study (JECS). <i>BMC Pediatrics</i> , 2021, 21, 419.	0.7	8
17	Prospective association of air purifier use during pregnancy with the neurodevelopment of toddlers in the Japan Environment and Childrenâ€™s Study. <i>Scientific Reports</i> , 2021, 11, 19454.	1.6	2
18	Maternal exposure to smoking and infant's wheeze and asthma: Japan Environment and Children's Study. <i>Allergology International</i> , 2021, 70, 445-451.	1.4	13

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19	Dietary intake of fish and n-3 polyunsaturated fatty acids and risk of postpartum depression: a nationwide longitudinal study – the Japan Environment and Children's Study (JECS). <i>Psychological Medicine</i> , 2020, 50, 2416-2424.	2.7	16
20	Understanding the relationship between postpartum depression one month and six months after delivery and mother-infant bonding failure one-year after birth: results from the Japan Environment and Children's study (JECS). <i>Psychological Medicine</i> , 2020, 50, 161-169.	2.7	40
21	Influence of parity and mode of delivery on mother-infant bonding: The Japan Environment and Children's Study. <i>Journal of Affective Disorders</i> , 2020, 263, 516-520.	2.0	18
22	Association of blood cadmium levels in pregnant women with infant birth size and small for gestational age infants: The Japan Environment and Children's study. <i>Environmental Research</i> , 2020, 191, 110007.	3.7	16
23	Maternal dietary intake of fish and PUFAs and child neurodevelopment at 6 months and 1 year of age: a nationwide birth cohort – the Japan Environment and Children's Study (JECS). <i>American Journal of Clinical Nutrition</i> , 2020, 112, 1295-1303.	2.2	22
24	Impact of prematurity and the CTG repeat length on outcomes in congenital myotonic dystrophy. <i>BMC Research Notes</i> , 2020, 13, 350.	0.6	1
25	Factor structure of the Edinburgh Postnatal Depression Scale in the Japan Environment and Children's Study. <i>Scientific Reports</i> , 2020, 10, 11647.	1.6	21
26	Impact of individual and neighborhood social capital on the physical and mental health of pregnant women: the Japan Environment and Children's Study (JECS). <i>BMC Pregnancy and Childbirth</i> , 2020, 20, 450.	0.9	11
27	Prospective Association of Air-Purifier Usage during Pregnancy with Infant Neurodevelopment: A Nationwide Longitudinal Study – Japan Environment and Children's Study (JECS). <i>Journal of Clinical Medicine</i> , 2020, 9, 1924.	1.0	3
28	RGB and Near-Infrared Light Reflectance/Transmittance Photoplethysmography for Measuring Heart Rate During Motion. <i>IEEE Access</i> , 2020, 8, 80233-80242.	2.6	16
29	Association of prenatal psychological distress and postpartum depression with varying physical activity intensity: Japan Environment and Children's Study (JECS). <i>Scientific Reports</i> , 2020, 10, 6390.	1.6	11
30	Infant dietary intake of yogurt and cheese and gastroenteritis at 1 year of age: The Japan Environment and Children's Study. <i>PLoS ONE</i> , 2019, 14, e0223495.	1.1	7
31	Association between maternal fermented food consumption and infant sleep duration: The Japan Environment and Children's Study. <i>PLoS ONE</i> , 2019, 14, e0222792.	1.1	8
32	Fermented foods and preterm birth risk from a prospective large cohort study: the Japan Environment and Children's study. <i>Environmental Health and Preventive Medicine</i> , 2019, 24, 25.	1.4	9
33	Factors of non-responsive or lost-to-follow-up Japanese mothers during the first year post partum following the Japan Environment and Children's Study: a longitudinal cohort study. <i>BMJ Open</i> , 2019, 9, e031222.	0.8	18
34	Education level and risk of postpartum depression: results from the Japan Environment and Children's Study (JECS). <i>BMC Psychiatry</i> , 2019, 19, 419.	1.1	71
35	Changes in the association between postpartum depression and mother-infant bonding by parity: Longitudinal results from the Japan Environment and Children's Study. <i>Journal of Psychiatric Research</i> , 2019, 110, 110-116.	1.5	36
36	Differential Effect of Two Mental Stress Tasks on Arterial Stiffness. <i>Japanese Psychological Research</i> , 2019, 61, 249-261.	0.4	7

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37	Association between cesarean section and constipation in infants: the Japan Environment and Children's Study (JECS). BMC Research Notes, 2018, 11, 882.	0.6	6
38	Cuffless blood pressure estimation using only a smartphone. Scientific Reports, 2018, 8, 7298.	1.6	76
39	Inter-Method Reliability of Pulse Volume Related Measures Derived Using Finger-Photoplethysmography. Journal of Psychophysiology, 2018, 32, 182-190.	0.3	6
40	Effects of omega-3 polyunsaturated fatty acids on psychophysiological symptoms of post-traumatic stress disorder in accident survivors: A randomized, double-blind, placebo-controlled trial. Journal of Affective Disorders, 2017, 224, 27-31.	2.0	27
41	Side-scattered finger-photoplethysmography: experimental investigations toward practical noninvasive measurement of blood glucose. Journal of Biomedical Optics, 2017, 22, 067001.	1.4	18
42	Advanced Volume-Compensation Method for Indirect Finger Arterial Pressure Determination: Comparison with Brachial Sphygmomanometry. IEEE Transactions on Biomedical Engineering, 2017, 64, 1131-1137.	2.5	19
43	Limited effect of omega-3 fatty acids on the quality of life in survivors of traumatic injury: A randomized, placebo-controlled trial. Prostaglandins Leukotrienes and Essential Fatty Acids, 2017, 127, 1-5.	1.0	22
44	iPhysioMeter: A Smartphone Photoplethysmograph for Measuring Various Physiological Indices. Methods in Molecular Biology, 2015, 1256, 305-326.	0.4	13
45	Integrating Sphere Finger-Photoplethysmography: Preliminary Investigation towards Practical Non-Invasive Measurement of Blood Constituents. PLoS ONE, 2015, 10, e0143506.	1.1	10
46	Docosahexaenoic Acid for Selective Prevention of Posttraumatic Stress Disorder Among Severely Injured Patients. Journal of Clinical Psychiatry, 2015, 76, e1015-e1022.	1.1	34
47	iPhone 4s Photoplethysmography: Which Light Color Yields the Most Accurate Heart Rate and Normalized Pulse Volume Using the iPhysioMeter Application in the Presence of Motion Artifact?. PLoS ONE, 2014, 9, e91205.	1.1	52
48	Potential for Health Screening Using Long-Term Cardiovascular Parameters Measured by Finger Volume-Oscillometry: Pilot Comparative Evaluation in Regular and Sleep-Deprived Activities. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 28-35.	3.9	11
49	Controlled mechanical vibration applied to driver's right heel to sustain alertness: Effects on cardiovascular behavior. Transportation Research Part C: Emerging Technologies, 2014, 38, 101-109.	3.9	2
50	Development of a Portable Transthoracic Admittance Cardiograph and Its Validation of Performance. IEJ Transactions on Electronics, Information and Systems, 2014, 134, 41-48.	0.1	0
51	iPhysioMeter: A new approach for measuring heart rate and normalized pulse volume using only a smartphone. Behavior Research Methods, 2013, 45, 1272-1278.	2.3	76
52	Tachikawa project for prevention of posttraumatic stress disorder with polyunsaturated fatty acid (TPOP): study protocol for a randomized controlled trial. BMC Psychiatry, 2013, 13, 8.	1.1	14
53	Cardiovascular hemodynamic effects of Red Bull® Energy Drink during prolonged, simulated, monotonous driving. SpringerPlus, 2013, 2, 215.	1.2	10
54	Comparison between red, green and blue light reflection photoplethysmography for heart rate monitoring during motion. , 2013, 2013, 1724-7.		81

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55	Validation of normalized pulse volume in the outer ear as a simple measure of sympathetic activity using warm and cold pressor tests: towards applications in ambulatory monitoring. <i>Physiological Measurement</i> , 2013, 34, 359-375.	1.2	27
56	A Novel Method to Detect Heat Illness Under Severe Conditions by Monitoring Tympanic Temperature. <i>Aviation, Space, and Environmental Medicine</i> , 2013, 84, 692-700.	0.6	10
57	Development of a new aortoscope system for the use of endovascular intervention. , 2012, 2012, 5765-8.		0
58	Potential impact of propofol immediately after motor vehicle accident on later symptoms of posttraumatic stress disorder at 6-month follow up: a retrospective cohort study. <i>Critical Care</i> , 2012, 16, R196.	2.5	18
59	Fish consumption and cardiovascular response during mental stress. <i>BMC Research Notes</i> , 2012, 5, 288.	0.6	14
60	Towards Non-invasive Optical Blood Alcohol Measurement: Multi-variate Analysis of <i>in vitro</i> NIR Spectra. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2012, 132, 2059-2064.	0.1	3
61	Proposing a standard method of evaluation capabilities with performance-based vehicle ignition-interlock devices. <i>The Japanese Journal of Cognitive Psychology</i> , 2012, 9, 125-135.	0.1	0
62	A novel photoplethysmography technique to derive normalized arterial stiffness as a blood pressure independent measure in the finger vascular bed. <i>Physiological Measurement</i> , 2011, 32, 1869-1883.	1.2	25
63	Love Styles and Cardiovascular Responder Types. <i>International Journal of Psychological Studies</i> , 2011, 3, .	0.1	3
64	The Effect of Omega-3 Fatty Acids on Psychophysiological Assessment for the Secondary Prevention of Posttraumatic Stress Disorder: An Open-Label Pilot Study. <i>Global Journal of Health Science</i> , 2011, 4, 3-9.	0.1	6
65	The association between chronic psychosocial stress, allostatic load, and vascular health in asymptomatic young men: A pilot study using a novel finger arterial stiffness index ¹ . <i>Japanese Psychological Research</i> , 2011, 53, 140-154.	0.4	4
66	The effect of competition on heart rate during kart driving: A field study. <i>BMC Research Notes</i> , 2011, 4, 342.	0.6	21
67	Development of a ubiquitous healthcare monitoring system combined with non-conscious and ambulatory physiological measurements and its application to medical care. , 2011, 2011, 8211-4.		6
68	Finger arterial stiffness index as a marker of damaged small artery and arterioles in diabetes. <i>Japanese Journal of Physiological Psychology and Psychophysiology</i> , 2011, 29, 217-226.	0.0	0
69	Physiological measurements and analyses in motor sports: a preliminary study in racing kart athletes. <i>European Journal of Sport Science</i> , 2010, 10, 397-406.	1.4	19
70	Performance Measures of Alcohol-Induced Impairment: Towards a Practical Ignition-Interlock System for Motor Vehicles. <i>Perceptual and Motor Skills</i> , 2009, 109, 841-850.	0.6	7
71	Finger arterial elasticity, a novel assessment of cardiovascular health: Gender differences and correlation with brachial-ankle pulse wave velocity. <i>The Japanese Journal of Health Psychology</i> , 2006, 19, 37-47.	0.1	1
72	Controllability and hemodynamic reaction patterns during mental stress. <i>Japanese Journal of Physiological Psychology and Psychophysiology</i> , 2004, 22, 247-255.	0.0	3

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73	Finger arterial compliance as determined by transmission of light during mental stress and reactive hyperaemia. <i>European Journal of Applied Physiology</i> , 2002, 87, 562-567.	1.2	19
74	A New, Non-Invasive in vivo Optical Blood Glucose Measurement Technique Using Near-Infrared Radiation (â€œPulse Glucometryâ€) and a Proposal for â€œPulse Hemo-Photometryâ€•Blood Constituent Measurements. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 0, , 18-26.	0.2	0