

Jun-Young Lee

List of Publications by Year in descending order

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141
papers

5,259
citations

81900

39
h-index

98798

67
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145
all docs

145
docs citations

145
times ranked

7429
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency 11kW bi-directional on-board charger for EVs. Journal of Power Electronics, 2022, 22, 363-376.	1.5	5
2	A Comparison Between the Performances of Verbal and Nonverbal Fluency Tests in Discriminating Between Mild Cognitive Impairments and Alzheimer's Disease Patients and Their Brain Morphological Correlates. Dementia and Neurocognitive Disorders, 2022, 21, 17.	1.4	1
3	Design of a 5.6kW EV low-voltage DC/DC converter based on full-bridge converter with input series output parallel structure. Journal of Power Electronics, 2022, 22, 395-405.	1.5	4
4	Association between Residential Greenness and Incidence of Parkinson's Disease: A Population-Based Cohort Study in South Korea. International Journal of Environmental Research and Public Health, 2022, 19, 3491.	2.6	2
5	Incidence and Cognitive Decline of Alzheimer's Disease and Other Dementia by Apolipoprotein ϵ 4 Allele Presence: A Community-Based Cohort Study in Korean Elderly. Psychiatry Investigation, 2022, 19, 190-196.	1.6	0
6	Design of 20kW audio power supply for single-phase/three-phase applications. Journal of Power Electronics, 2022, 22, 1010-1019.	1.5	1
7	Design of a 3.3 kW/100 kHz EV Charger Based on Flyback Converter With Active Snubber. IEEE Transactions on Vehicular Technology, 2022, 71, 7161-7170.	6.3	2
8	Three-phase 11kW on-board charger with single-phase reverse function. Journal of Power Electronics, 2022, 22, 1255-1264.	1.5	4
9	Efficacy of Smart Speaker-Based Metamemory Training in Older Adults: Case-Control Cohort Study. Journal of Medical Internet Research, 2021, 23, e20177.	4.3	5
10	Effect of Cognitive Training in Fully Immersive Virtual Reality on Visuospatial Function and Frontal-Occipital Functional Connectivity in Predementia: Randomized Controlled Trial. Journal of Medical Internet Research, 2021, 23, e24526.	4.3	40
11	Changes in Computer-Analyzed Facial Expressions with Age. Sensors, 2021, 21, 4858.	3.8	4
12	Differences in Brain Morphology between Hydrocephalus Ex Vacuo and Idiopathic Normal Pressure Hydrocephalus. Psychiatry Investigation, 2021, 18, 628-635.	1.6	11
13	A 3-Leg Inverter-Based High-Frequency Welding Power Supply Capable of AC 220 and 440-V Operation. IEEE Transactions on Power Electronics, 2021, 36, 12877-12888.	7.9	3
14	Trends in the Prevalence of Major Depressive Disorder by Sociodemographic Factors in Korea: Results from Nationwide General Population Surveys in 2001, 2006, and 2011. Journal of Korean Medical Science, 2021, 36, e244.	2.5	3
15	Research topics in intellectual disabilities in North Korea: A scoping review. Journal of Applied Research in Intellectual Disabilities, 2021, , .	2.0	0
16	Analyzing Facial and Eye Movements to Screen for Alzheimer's Disease. Sensors, 2020, 20, 5349.	3.8	15
17	Multivariate neuroanatomical correlates of behavioral and psychological symptoms in dementia and the moderating role of education. NeuroImage: Clinical, 2020, 28, 102452.	2.7	11
18	<p></p>Prediction of Amyloid Positivity in Mild Cognitive Impairment Using Fully Automated Brain Segmentation Software<p></p>. Neuropsychiatric Disease and Treatment, 2020, Volume 16, 1745-1754.	2.2	10

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19	Development and Validation of a Short-Form Internet Overuse Screening Questionnaire for Adults. <i>European Addiction Research</i> , 2020, 26, 335-345.	2.4	0
20	Interleaved Isolated Single-Phase PFC Converter Module for Three-Phase EV Charger. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 4957-4967.	6.3	14
21	Association of moderate alcohol intake with in vivo amyloid-beta deposition in human brain: A cross-sectional study. <i>PLoS Medicine</i> , 2020, 17, e1003022.	8.4	27
22	Differences in Facial Expressions between Spontaneous and Posed Smiles: Automated Method by Action Units and Three-Dimensional Facial Landmarks. <i>Sensors</i> , 2020, 20, 1199.	3.8	19
23	Cognitive Improvement in Older Adults with Mild Cognitive Impairment: Evidence from a Multi-Strategic Metamemory Training. <i>Journal of Clinical Medicine</i> , 2020, 9, 362.	2.4	12
24	A power balance technique for high power welding machines with modular design. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2020, 30, 139-152.	0.7	2
25	The Design of CNN Architectures for Optimal Six Basic Emotion Classification Using Multiple Physiological Signals. <i>Sensors</i> , 2020, 20, 866.	3.8	33
26	Reliability and Validity of a Short Form of the Korean Dementia Screening Questionnaire-Cognition.		

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37	Insulin Resistance is Associated with Cognitive Decline Among Older Koreans with Normal Baseline Cognitive Function: A Prospective Community-Based Cohort Study. <i>Scientific Reports</i> , 2018, 8, 650.	3.3	25
38	Moderating Effect of Insulin Resistance on the Relationship between Gray Matter Volumes and Cognitive Function. <i>Journal of Clinical Medicine</i> , 2018, 7, 413.	2.4	2
39	The Relationship between Emotional Labor and Job Stress among Hospital Workers. <i>Journal of Korean Medical Science</i> , 2018, 33, e246.	2.5	15
40	Impaired Executive Functioning of Sexual Assault Survivors with Acute Stress Disorder. <i>Journal of Clinical Medicine</i> , 2018, 7, 362.	2.4	1
41	Visual Rating and Computer-Assisted Analysis of FDG PET in the Prediction of Conversion to Alzheimer's Disease in Mild Cognitive Impairment. <i>Molecular Diagnosis and Therapy</i> , 2018, 22, 475-483.	3.8	3
42	Lipidomic alterations in lipoproteins of patients with mild cognitive impairment and Alzheimer's disease by asymmetrical flow field-flow fractionation and nanoflow ultrahigh performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1568, 91-100.	3.7	40
43	Design of 5-kV/5-kW Magnetron Power Supply Using PWM SRC With PISO-Connected Transformer. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 2840-2847.	1.3	7
44	Interpersonal trauma moderates the relationship between personality factors and suicidality of individuals with posttraumatic stress disorder. <i>PLoS ONE</i> , 2018, 13, e0191198.	2.5	25
45	Sex-specific association of sex hormones and gonadotropins, with brain amyloid and hippocampal neurodegeneration. <i>Neurobiology of Aging</i> , 2017, 58, 34-40.	3.1	38
46	The effects of social concern goals on the value of learning and on the intentions of medical students to change their majors. <i>Medical Education Online</i> , 2017, 22, 1330631.	2.6	1
47	An Isolated/Bidirectional PWM Resonant Converter for V2G(H) EV On-Board Charger. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 7741-7750.	6.3	77
48	Altered hippocampal volume and functional connectivity in males with Internet gaming disorder comparing to those with alcohol use disorder. <i>Scientific Reports</i> , 2017, 7, 5744.	3.3	31
49	High-Efficient Portable Welding Machine Based on Full-Bridge Converter with ISOP-Connected Single Transformer and Active Snubber. <i>IEEE Transactions on Industrial Electronics</i> , 2016, , 1-1.	7.9	21
50	Current limiting circuit for low-cost HESS. <i>Electronics Letters</i> , 2016, 52, 64-66.	1.0	0
51	Hybrid DC/DC converter for EV OBC with single transformer. , 2016, , .		0
52	Full-Bridge+SRT Hybrid DC/DC Converter for a 6.6-kW EV On-Board Charger. <i>IEEE Transactions on Vehicular Technology</i> , 2016, 65, 4419-4428.	6.3	9
53	A PWM SRT DC/DC Converter for 6.6-kW EV Onboard Charger. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 894-902.	7.9	37
54	Bidirectional Semiconductor Transformer using high frequency resonant converter. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , 2015, 25, 36-43.	0.7	0

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55	A Resonant PWM DC/DC Converter with Coreless Transformer for Light Electric Vehicles On-Board Charger. EPE Journal (European Power Electronics and Drives Journal), 2015, 25, 17-24.	0.7	0
56	Impact of stigma on use of mental health services by elderly Koreans. Social Psychiatry and Psychiatric Epidemiology, 2015, 50, 757-766.	3.1	35
57	A Single-Phase Battery Charger Design for LEV Based on DC-SRC With Resonant Valley-Fill Circuit. IEEE Transactions on Industrial Electronics, 2015, 62, 2195-2205.	7.9	32
58	Above-â€moderate physical activity reduces both incident and persistent late-â€life depression in rural Koreans. International Journal of Geriatric Psychiatry, 2015, 30, 766-775.	2.7	16
59	Ten-year trends in the prevalence and correlates of major depressive disorder in Korean near-elderly adults: a comparison of repeated nationwide cross-sectional studies from 2001 and 2011. Social Psychiatry and Psychiatric Epidemiology, 2015, 50, 1399-1406.	3.1	12
60	Resting-state regional homogeneity as a biological marker for patients with Internet gaming disorder: A comparison with patients with alcohol use disorder and healthy controls. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 60, 104-111.	4.8	65
61	A Bidirectional Wireless Power Transfer EV Charger Using Self-Resonant PWM. IEEE Transactions on Power Electronics, 2015, 30, 1784-1787.	7.9	140
62	The effect of repeated exposure to virtual gambling cues on the urge to gamble. Addictive Behaviors, 2015, 41, 61-64.	3.0	90
63	Prevalence and Correlates of DSM-IV Mental Disorders in South Korean Adults: The Korean Epidemiologic Catchment Area Study 2011. Psychiatry Investigation, 2015, 12, 164.	1.6	101
64	Spatial memory impairments in amnesic mild cognitive impairment in a virtual radial arm maze. Neuropsychiatric Disease and Treatment, 2014, 10, 653.	2.2	37
65	Large air-â€gap 6.6-kW wireless EV charger with self-â€resonant PWM. Electronics Letters, 2014, 50, 459-461.	1.0	9
66	Comparison of the Effectiveness of Virtual Cue Exposure Therapy and Cognitive Behavioral Therapy for Nicotine Dependence. Cyberpsychology, Behavior, and Social Networking, 2014, 17, 262-267.	3.9	42
67	Mortality rates and predictors in community-dwelling elderly individuals with cognitive impairment: an eight-year follow-up after initial assessment. International Psychogeriatrics, 2014, 26, 1295-1304.	1.0	23
68	Dysfunctional inhibitory control and impulsivity in Internet addiction. Psychiatry Research, 2014, 215, 424-428.	3.3	100
69	6.6-kW Onboard Charger Design Using DCM PFC Converter With Harmonic Modulation Technique and Two-Stage DC/DC Converter. IEEE Transactions on Industrial Electronics, 2014, 61, 1243-1252.	7.9	112
70	Differential resting-state EEG patterns associated with comorbid depression in Internet addiction. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2014, 50, 21-26.	4.8	47
71	Impact of childhood exposure to psychological trauma on the risk of psychiatric disorders and somatic discomfort: Single vs. multiple types of psychological trauma. Psychiatry Research, 2014, 219, 443-449.	3.3	40
72	An EL Capacitorless EV On-Board Charger Using Harmonic Modulation Technique. IEEE Transactions on Industrial Electronics, 2014, 61, 1784-1787.	7.9	28

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73	Shared psychological characteristics that are linked to aggression between patients with Internet addiction and those with alcohol dependence. <i>Annals of General Psychiatry</i> , 2014, 13, 6.	2.7	58
74	An Electrolytic Capacitor-less Bi-Directional EV On-Board Charger Using Harmonic Modulation Technique. <i>IEEE Transactions on Power Electronics</i> , 2014, 29, 5195-5203.	7.9	54
75	Age-related differences in the influence of major mental disorders on suicidality: A Korean nationwide community sample. <i>Journal of Affective Disorders</i> , 2014, 162, 96-101.	4.1	18
76	Similarities and differences among Internet gaming disorder, gambling disorder and alcohol use disorder: A focus on impulsivity and compulsivity. <i>Journal of Behavioral Addictions</i> , 2014, 3, 246-253.	3.7	133
77	Differences in Prefrontal, Limbic, and White Matter Lesion Volumes According to Cognitive Status in Elderly Patients with First-Onset Subsyndromal Depression. <i>PLoS ONE</i> , 2014, 9, e87747.	2.5	10
78	Butyrylcholinesterase K and Apolipoprotein E4 Affect Cortical Thickness and Neuropsychiatric Symptoms in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2014, 11, 137-144.	1.4	5
79	A 10-kW Two-Stage Isolated/Bidirectional DC/DC Converter With Hybrid-Switching Technique. <i>IEEE Transactions on Industrial Electronics</i> , 2013, 60, 2205-2213.	7.9	22
80	New three-phase on-board battery charger without electrolytic capacitor for PHEV application. , 2013, , .		4
81	Patterns of Reduced Cortical Thickness in Late-Life Depression and Relationship to Psychotherapeutic Response. <i>American Journal of Geriatric Psychiatry</i> , 2013, 21, 794-802.	1.2	52
82	The Effect of Subsyndromal Symptoms of Depression and White Matter Lesions on Disability for Individuals with Mild Cognitive Impairment. <i>American Journal of Geriatric Psychiatry</i> , 2013, 21, 906-914.	1.2	45
83	Single- and Three-Phase PHEV Onboard Battery Charger Using Small Link Capacitor. <i>IEEE Transactions on Industrial Electronics</i> , 2013, 60, 3136-3144.	7.9	57
84	Resting-state beta and gamma activity in Internet addiction. <i>International Journal of Psychophysiology</i> , 2013, 89, 328-333.	1.0	126
85	The effects of behavioral inhibition/approach system as predictors of Internet addiction in adolescents. <i>Personality and Individual Differences</i> , 2013, 54, 7-11.	2.9	68
86	New configuration of bidirectional intelligent semiconductor transformer with high-frequency AC-DC converter. , 2013, , .		3
87	Reliability and Validity of the Short Form of the Literacy-Independent Cognitive Assessment in the		

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91	A Two-Stage Isolated/Bidirectional DC/DC Converter With Current Ripple Reduction Technique. IEEE Transactions on Industrial Electronics, 2012, 59, 644-646.	7.9	50
92	DSM-IV psychiatric comorbidity according to symptoms of insomnia: a nationwide sample of Korean adults. Social Psychiatry and Psychiatric Epidemiology, 2012, 47, 2019-2033.	3.1	40
93	Different associations of white matter lesions with depression and cognition. BMC Neurology, 2012, 12, 83.	1.8	7
94	Factors Contributing to Spousal and Offspring Caregiver Burden in Parkinson's Disease. European Neurology, 2012, 67, 292-296.	1.4	30
95	Design of Low-Cost Address Energy Recovery Circuit of AC-PDP With Load-Adaptive Characteristics. IEEE Transactions on Industrial Electronics, 2012, 59, 402-411.	7.9	2
96	Lifetime risk and age of onset distributions of psychiatric disorders: analysis of national sample survey in South Korea. Social Psychiatry and Psychiatric Epidemiology, 2012, 47, 671-681.	3.1	20
97	Neurologic signs in relation to cognitive function in subcortical ischemic vascular dementia: a CREDOS (Clinical Research Center for Dementia of South Korea) study. Neurological Sciences, 2012, 33, 839-846.	1.9	20
98	A nationwide survey on the prevalence and risk factors of late life depression in South Korea. Journal of Affective Disorders, 2012, 138, 34-40.	4.1	92
99	Patterns of Reduced Cortical Thickness in Late-Life Depression and Relationship to Psychotherapeutic Response. American Journal of Geriatric Psychiatry, 2012, , 1.	1.2	1
100	The Effect of Subsyndromal Symptoms of Depression and White Matter Lesions on Disability for Individuals With Mild Cognitive Impairment. American Journal of Geriatric Psychiatry, 2012, , 1.	1.2	1
101	Altered Brain Activity during Reward Anticipation in Pathological Gambling and Obsessive-Compulsive Disorder. PLoS ONE, 2012, 7, e45938.	2.5	94
102	Cholinesterase Inhibitors for Alzheimer Disease: Do They Provide More Than Symptomatic Benefits?. American Journal of Geriatric Psychiatry, 2011, 19, 266-273.	1.2	7
103	Effects of Medial Temporal Atrophy and White Matter Hyperintensities on the Cognitive Functions in Patients with Alzheimer's Disease. European Neurology, 2011, 66, 75-82.	1.4	33
104	Clinical Characteristics of a Nationwide Hospital-based Registry of Mild-to-Moderate Alzheimer's Disease Patients in Korea: A CREDOS (Clinical Research Center for Dementia of South Korea) Study. Journal of Korean Medical Science, 2011, 26, 1219.	2.5	63
105	Multistrategic Memory Training with the Metamemory Concept in Healthy Older Adults. Psychiatry Investigation, 2011, 8, 354.	1.6	29
106	Relationships of Mental Disorders and Weight Status in the Korean Adult Population. Journal of Korean Medical Science, 2011, 26, 108.	2.5	17
107	Clinical practice guideline for dementia by Clinical Research Center for Dementia of South Korea. Journal of the Korean Medical Association, 2011, 54, 861.	0.3	26
108	Dose Pattern and Effectiveness of Paliperidone Extended-Release Tablets in Patients With Schizophrenia. Clinical Neuropharmacology, 2011, 34, 186-190.	0.7	4

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109	An Isolated Bi-directional DC/DC Converter using Unregulated LLC Resonant Converter and Its Design. EPE Journal (European Power Electronics and Drives Journal), 2011, 21, 14-21.	0.7	3
110	Validation of the Literacy Independent Cognitive Assessment. International Psychogeriatrics, 2011, 23, 593-601.	1.0	25
111	Differentiating illiteracy from Alzheimer's disease by using neuropsychological assessments. International Psychogeriatrics, 2011, 23, 1560-1568.	1.0	20
112	A Nationwide Survey on the Prevalence of Dementia and Mild Cognitive Impairment in South Korea. Journal of Alzheimer's Disease, 2011, 23, 281-291.	2.6	158
113	Relationship between Premature Ejaculation and Depression in Korean Males. Journal of Sexual Medicine, 2011, 8, 2062-2070.	0.6	38
114	An Isolated DC/DC Converter Using High-Frequency Unregulated \$LLC\$ Resonant Converter for Fuel Cell Applications. IEEE Transactions on Industrial Electronics, 2011, 58, 2926-2934.	7.9	200
115	Different Associations of Periventricular and Deep White Matter Lesions with Cognition, Neuropsychiatric Symptoms, and Daily Activities in Dementia. Journal of Geriatric Psychiatry and Neurology, 2011, 24, 84-90.	2.3	42
116	Impact of White Matter Changes on Activities of Daily Living in Mild to Moderate Dementia. European Neurology, 2011, 65, 223-230.	1.4	45
117	Neuropsychological Correlates of the Proportional Impact of White Matter Hyperintensities on Mild to Moderate Dementia: The MRI 300 Study. Dementia and Geriatric Cognitive Disorders, 2011, 31, 397-405.	1.5	11
118	The Effect of Repeated Virtual Nicotine Cue Exposure Therapy on the Psychophysiological Responses: A Preliminary Study. Psychiatry Investigation, 2011, 8, 155.	1.6	45
119	Lifetime Prevalence and Correlates of Suicidal Ideation, Plan, and Single and Multiple Attempts in a Korean Nationwide Study. Journal of Nervous and Mental Disease, 2010, 198, 643-646.	1.0	126
120	Design of High Power Density Two-Stage AC/DC Notebook Adaptors Based on Loss Analysis. EPE Journal (European Power Electronics and Drives Journal), 2010, 20, 41-49.	0.7	0
121	Unplanned versus planned suicide attempters, precipitants, methods, and an association with mental disorders in a Korea-based community sample. Journal of Affective Disorders, 2010, 127, 274-280.	4.1	86
122	Prevalence of DSM-IV major mental disorders among Korean adults: A 2006 National Epidemiologic Survey (KECA-R). Asian Journal of Psychiatry, 2010, 3, 26-30.	2.0	70
123	Corrigendum to "Prevalence of DSM-IV major mental disorders among Korean adults: A 2006 National Epidemiologic Survey (KECA-R)" [Asian Journal of Psychiatry 3 (2010) 26-30]. Asian Journal of Psychiatry, 2010, 3, 91.	2.0	1
124	Age as a moderator of the association between depressive symptoms and morningness-eveningness. Journal of Psychosomatic Research, 2010, 68, 159-164.	2.6	60
125	Single-Side Sustaining Technique for Plasma Display Panel Using Dual-Resonant Method. IEEE Transactions on Industrial Electronics, 2010, 57, 1635-1643.	7.9	4
126	Power conditioning system for fuel cell with 2-stage DC-DC converter. , 2010, , .		3

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127	Brain Factor-7 Extracted from <i>Bombyx mori</i> Enhances Cognition and Attention in Normal Children. <i>Journal of Medicinal Food</i> , 2009, 12, 643-648.	1.5	11
128	The model of the relationships among the predictors of quality of life in chronic stage of schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 1113-1118.	4.8	20
129	Effects of BT-11 on memory in healthy humans. <i>Neuroscience Letters</i> , 2009, 454, 111-114.	2.1	50
130	BT-11 is effective for enhancing cognitive functions in the elderly humans. <i>Neuroscience Letters</i> , 2009, 465, 157-159.	2.1	54
131	Association study of dopamine D2, D4 receptor gene, GABAA receptor $\hat{1}^2$ subunit gene, serotonin transporter gene polymorphism with children of alcoholics in Korea: A preliminary study. <i>Alcohol</i> , 2008, 42, 77-81.	1.7	30
132	Cross-national difference in the prevalence of depression caused by the diagnostic threshold. <i>Journal of Affective Disorders</i> , 2008, 106, 159-167.	4.1	120
133	Brief Screening for Mild Cognitive Impairment in Elderly Outpatient Clinic: Validation of the Korean Version of the Montreal Cognitive Assessment. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2008, 21, 104-110.	2.3	396
134	Illiteracy and the incidence of Alzheimer's disease in the Yonchon County survey, Korea. <i>International Psychogeriatrics</i> , 2008, 20, 976-85.	1.0	28
135	Immunohistochemical study on the distribution of canonical transient receptor potential channels in rat basal ganglia. <i>Neuroscience Letters</i> , 2007, 422, 18-23.	2.1	24
136	Partial versus full PTSD in the Korean community: prevalence, duration, correlates, comorbidity, and dysfunctions. <i>Depression and Anxiety</i> , 2007, 24, 577-585.	4.1	61
137	Regional cerebral cortical thinning in bipolar disorder. <i>Bipolar Disorders</i> , 2006, 8, 65-74.	1.9	266
138	Intellect declines in healthy elderly subjects and cerebellum. <i>Psychiatry and Clinical Neurosciences</i> , 2005, 59, 45-51.	1.8	53
139	Mortality in Alzheimer's disease: a comparative prospective Korean study in the community and nursing homes. <i>International Journal of Geriatric Psychiatry</i> , 2005, 20, 26-34.	2.7	49
140	Behavioral and Developmental Characteristics of Children with Inversion of Chromosome 9 in Korea: A Preliminary Study. <i>Child Psychiatry and Human Development</i> , 2005, 35, 347-357.	1.9	3
141	Design of pseudo-single-stage-type isolated/bidirectional converter for battery formation equipment. <i>Journal of Power Electronics</i> , 0, , 1.	1.5	2