

期刊論文：69 篇數 (2021 年 4 篇、2020 年 7 篇、2019 年 10 篇、2018 年 15 篇、2017 年 7 篇、2016 年 9 篇、2015 年 15 篇、2014 年 1 篇、2013 年 1 篇)，如下：

2021 年 期刊論文(4 篇)

- (1) Chuang, C. Y., Tsai, S. Y., Chen, S. F., Yang, Y. H., Chao, C. C., **Yen, N. S.**, & Liao, R. M. * (2021, Jan.). Neurobiological changes in striatal glutamate are associated with trait impulsivity of differential reinforcement of low-rate-response behavior in male rats. *Neurobiology of Learning and Memory*, 177, 107352.
- (2) David M. Niddam*, Wang, S. J., **Tsai, S. Y.*** (2021). Pain sensitivity and the primary sensorimotor cortices: a multimodal neuroimaging study. *Pain*. Volume 162(3):846-855. (SCI)
- (3) Liang, T. P., Li, Y. W., Yen, N. S., Turel, O., Hsu, S. M. (2021), “Framing and Self-Responsibility Modulate Brain Activities in Decision Escalation,” *BMC Neuroscience*, *BMC Neurosci*, 22, 19 (2021).
<https://doi.org/10.1186/s12868-021-00625-4>
- (4) Ng, C. T., Lung, T. C., & **Chang, T. T.** (2021). Operation-specific lexical consistency effect in fronto-insular-parietal network during word problem solving. *Frontiers in Human Neuroscience*, 15:631438. DOI: 10.3389/fnhum.2021.631438

2020 年 期刊論文(7 篇)

- (1) Chen, F. T., Erickson, I. K., Huang, H. Q., Chang, Y. K. (2020). The association between physical fitness parameters and white matter microstructure in older adults: A diffusion tensor imaging study. *Psychophysiology*.
- (2) Chen, Y. H., Chang, C. Y., Huang, S. K., & Yen, N. S.* (2020, Aug). Nonlinear engagement of action observation network underlying action anticipation in players with different levels of expertise. *Hum Brain Mapping*, 2020 ; 1-16.
<https://doi.org/10.1002/hbm.25186>
- (3) Chuang, Y. S., Su, Y. S., **Goh, J. O. S.*** (2020). Neural responses reveal associations between personal values and value-based decisions. *Social, Cognitive, Affective Neuroscience*. *nsaa150*,
<https://doi.org/10.1093/scan/nsaa150>

- (4) David M Niddam, Lai, K. L., **Tsai, S. Y.**, Lin, Y. R., Chen, W. T., Fuh, J. L., Wang, S. J.* (2020). Brain metabolites in chronic migraine patients with medication overuse headache. *Cephalalgia*. 40(8):851-862. (SCI)
- (5) Lin, W. H., Gardner, J. L., **Wu, S. W.*** (2020). Context effects on probability estimation. *PLoS Biology* 18(3): e3000634.
- (6) Tseng, C. C., Liang, K. C., **Liu, H. M.**, Wang, H. L., Chia-Ho Lai, C. H., & Kuo, C. C. (2020). Brain Functional Differences in Language Processing between Gifted and Non-Gifted Children. *Chinese Journal of Psychology*, 62(4), 473-496.
- (7) 吳清麟、**郭靜姿*** (2020年3月)。數理資優能力、智力與大腦區域同質性之相關研究。 *教育心理學報*，51(3)，443-457。(TSSCI)。

2019年 期刊論文(10篇)

- (1) **Chang, T. T.***, Lung, T. C., Ng, C. T., & Metcalfe, A. W. S. (2019). Fronto-insular-parietal network engagement underlying arithmetic word problem solving. *Human Brain Mapping*, 40(6), 1927-1941. DOI: 10.1002/hbm.24502
- (2) Chen, C. C., Su, Y. S., Tu, Y. Z., & **Goh, J. O. S.*** (2019). Default-mode network activation underlies accurate contextual processing of exclusive disjunctions in older but not younger adults. *NeuroImage*, 201. <https://doi.org/10.1016/j.neuroimage.2019.116012>
- (3) Chen, C. C., Su, Y. S., Tu, Y. Z., Goh, J. O. S.* (2019). Default-mode network activation underlies accurate contextual processing of exclusive disjunctions in older but not younger adults, *NeuroImage*, 201, 116012
- (4) Chen, F. T., Chen, Y. P., Schneider, S., Kao, S. C., Huang, C. M.*, **Chang, Y. K.*** (2019). Effects of exercise modes on neural processing of working memory in Late middle-aged adults: An fMRI study. *Frontiers in Aging Neuroscience*.
- (5) Chu M. L., Chien CP, Wu W. C., **Chung H. W.** (2019). Gradient- and spin-echo (GRASE) MR imaging: a long-existing technology that may find wide applications in modern era. *Quantitative Imaging in Medicine and Surgery* 9:1477-1484.
- (6) **Huang, C. M.**, Doole, R., Wu, C.W., Huang, H.W., Chiao, Y. P.* (2019). Culture-related and individual differences in regional brain volumes: A

cross-cultural voxel-based morphometry study. *Frontiers in Human Neuroscience*. 13:313. doi: 10.3389/fnhum.2019.00313.

- (7) Sie, J. H., Chen, Y. H., Chang, C. Y., **Yen, N. S.***, Chu, W. C.*, & Shiau, Y. H.* (2019, Jan.). Altered central autonomic network in baseball players: A resting state fMRI study. *Scientific Reports*, 9, 1-10. doi:10.1038/s41598-018-36329-9
- (8) **Yeh, Y. C.***, Hsu, W. C., Rega, E. M. (2019). The dynamic relationship of brain networks across time windows during product-based creative thinking. *Psychology Research*, 9(10), 401-419.
- (9) Yu, A., Chen, M, Hung, D., Tzeng, O., Cherodath, S., & **Wu, D. H.***(2019). Neuroimaging evidence for sensitivity to orthography-to-phonology conversion in native readers and foreign learners of Chinese. *Journal of Neurolinguistics*. (SCI & SSCI, IF=1.55 in 2017, RANK: 36/181 in LINGUISTICS)
- (10) **郭靜姿**、陳學志、梁庚辰、高淑芬、吳清麟* (2019年3月)。數理資優大腦白質網路結構分析之研究。《教育心理學報》, 50(3), 389-406。(TSSCI)。

2018年 期刊論文(15篇)

- (1) Chang, C. Y., Chen, Y. H., & **Yen, N. S.*** (2018, Oct). Nonlinear neuroplasticity corresponding to sports experience: A voxel-based morphometry and resting-state functional connectivity study. *Human Brain Mapping*, 39, 4393-4403. doi: 10.1002/hbm.24280.
- (2) **Chang, T. T.***, Lee, P. H., & Metcalfe, A. W. S. (2018). Intrinsic insula network engagement underlying children's reading and arithmetic skills. *NeuroImage*, 167(Supplement C), 162-177. doi:https://doi.org/10.1016/j.neuroimage.2017.11.027
- (3) Chikara, R. K., Chang, E. C., Lu, Y. C., Lin, D. S., Lin, C.T. & **Ko, L. W.***, (2018). Monetary Reward and Punishment to Response Inhibition Modulate Activation and Synchronization within the Inhibitory Brain Network. *Frontiers in Human Neuroscience*, 12:27.
- (4) Farrell, A. M., White, B. J., **Goh, J. O. S.*** (2018). Financial Incentives Differentially Regulate Neural Processing of Positive and Negative Emotions During Value-Based Decision-Making. *Frontiers in Human Neuroscience*, 12:58
- (5) **Her, O. S.**, Chen, Y. C., & Yen, N. S.* (2018). Neural correlates of quantity processing of Chinese numeral classifiers. *Brain and Language*, 176, 11-18.

- (6) Hsiao, F. C., Tsai, P. J., Lane, T. J., Wu, C W., Lee, H. C., Chen, L. C., **Yang, C. M.*** (2018). The Neurophysiological Basis of the Discrepancy between Objective and Subjective Sleep during the Sleep Onset Period: an EEG-fMRI study. *Sleep*.
- (7) Hsu, M. Y. T., & **Cheng, J. M. S.** (2018), “fMRI Neuromarketing and Consumer Learning Theory: Word-Of- Mouth Effectiveness after Product Harm Crisis”, *European Journal of Marketing*.52, 199-223.
- (8) **Lin, F. H.**, Polimeni, J. R., Lin, J. L., Tsai, K. W., Chu, Y. H., Wu, P. Y., Li, Y. T., Hsu, Y. C., Tsai, S. Y. & Kuo, W. J.* (2018). Relative latency and temporal variability of hemodynamic responses at the human primary visual cortex. *Neuroimage*. 1;164:194-201. doi: 10.1016/j.neuroimage.2017.01.041. Epub 2017 Jan 22.
- (9) R. K. Chikara, Komarov, O., **Ko, L.W.*** (2018) Neural signature of event-related N200 and P300 modulation in parietal lobe during human response inhibition”, *Int. J. Computational Biology and Drug Design*, Vol. 11, Nos. 1/2, pp.171–182.
- (10) Su, Y. S., Chen, J. T., Tang, Y. J., Yuan, S. Y., McCarrey, A. C., **Goh, J. O. S.*** (2018). Age-Related Differences in Striatal, Medial Temporal, and Frontal Involvement During Value-Based Decision Processing. *Neurobiology of Aging*, 69:185-198
- (11) Su, Y. S., Chen, J. T., Tang, Y. J., Yuan, S. Y., McCarrey, A. C.,& **Goh, J. O. S.*** (2018). Age-Related Differences in Striatal, Medial Temporal, and Frontal Involvement During Value-Based Decision Processing. *Neurobiology of Aging*, 69:185-198.
- (12) Tu, Y. Z., Lin, D. W., Suzuki, A., **Goh, J. O. S.*** (2018). East Asian young and older adult perceptions of emotional faces from an age- and sex-fair East Asian facial expression database. *Frontiers in Psychology*, 9:2358, doi: 10.3389/fpsyg.2018.02358
- (13) Wu, C. T., Fan. Y. T., Du, Y. R., Yang, T. T., Liu, H. L., Yen, N. S., Chen, S. H., & **Hsung, R. M.*** (2018). How Do Acquired Political Identities Influence Our Neural Processing toward Others within the Context of a Trust Game? *Frontiers in Human Neuroscience*, 12, 23.
- (14) **Yeh, Y. C.***, Hsu, W. C., & Li, P. H. (2018). The modulation of personal traits in neural responses during the aesthetic experience of mundane art. *Trends in Neuroscience and Education*, 10. 8-18.

- (15) 陳豐慈、黃植懋、王俊智、張育愷* (2018)。身體活動與老年大腦功能：功能性磁共振造影的研究回顧 [Physical activity and the aging brain: A review of functional magnetic resonance imaging studies]。教育心理學報，50 卷，2 期，363-388 頁。

2017 年 期刊論文(7 篇)

- (1) Bulut, T., Hung, Y. H., Tzeng, O. J.-L., & Wu, D. H.* (2017). Neural correlates of processing sentences and compound words in Chinese. *PLoS ONE*, 12(12): e0188526.
- (2) Chen, H. C., Chan, Y. C., Dai, R. H., Liao, Y. J., & Tu, C. H. (2017). Neuro linguistics of humor. S. Attardo (Ed). *The Routledge Handbook of Language and Humor*. Routledge: *Taylor & Francis*.
- (3) Chen, Y. H., Chen, Y. C., Kuo, W. J., Kan, K. H., Yang, C. C., & Yen, N. S.* (2017). Strategic motives drives proposers to offer fairly in ultimatum games: An fMRI study. *Scientific Reports*, 7, 527.
- (4) Chiu, S. C., Chang, H. C., Chu, M. L., Wu, M. L., Chung, H. W. & Lin, Y. R.* (2017, Feb). De-aliasing for signal restoration in Propeller MR imaging. *Magnetic Resonance Imaging*, 36, 12-15.
- (5) Chiu, S. C., Lin, T. M., Lin, J. M., Chung H. W.*, Ko, C.W., Büchert M, Bock M (2017). Effects of RF pulse profile and intra-voxel phase dispersion on MR fingerprinting with balanced SSFP readout (invited Special Issue article). *Magnetic Resonance Imaging* 41:80-86.
- (6) Dai, R. H., Chen, H. C.*, Chan, Y. C., Wu, C. L., Zuo, S. L., Li, P., & Hu, J. F. (2017). To resolve or not to resolve, that is the question: the dual-path model of incongruity resolution and absurd verbal humor by fMRI. *Frontiers in Psychology*, 8, 498. doi: 10.3389/fpsyg.2017.00498 (SSCI, IF = 2.089, 39/135 in Multidisciplinary Psychology, Q2.)
- (7) Hsu, Y. C., Chu, Y. H., Tsai, S. Y., Kuo, W. J., Chang, C. Y. & Lin, F. H.* (2017). Simultaneous multi-slice inverse imaging of the human brain. *Sci Rep.* 5;7(1):17019. doi: 10.1038/s41598-017-16976-0.

2016 年 期刊論文(9 篇)

- (1) **Chan, Y. C.*** (2016). Neural correlates of deficits in humor appreciation in Gelotophobia. *Scientific Reports*, 6, 34580.
- (2) **Chan, Y. C.*** (2016). Neural correlates of sex/gender differences in humor processing for different joke types. *Frontiers in Psychology*, 7, 536.
- (3) **Chan, Y. C.***, Liao, Y. J., Tu, C. H., Chen, H. C.* (2016). Neural correlates of hostile jokes: Cognitive and motivational processes in humor appreciation. *Frontiers in Human Neuroscience*, 10, 527.
- (4) Chen, H. Y., Chang, E. C., Chen, S. H. Y., Lin, Y. C., & **Wu, D. H.*** (2016). Functional and anatomical dissociation between the orthographic lexicon and the orthographic buffer revealed in reading and writing Chinese characters by fMRI. *NeuroImage*, 129, 105-116.
- (5) **Goh, J. O. S.***, Su, Y. S., Tang, Y. J., McCarrey, A. C., Tereschenko, A., Elkins, W., Resnick, S. M. (2016). Frontal, striatal, and medial temporal sensitivity to value distinguishes Risk-Taking from risk-averse older adults during decision-making. *Journal of Neuroscience*, 36(49), 12498-12509.
- (6) Hsu, C. W., **Goh, J. O. S.*** (2016). Distinct and overlapping brain areas engaged during value-based, mathematical, and emotional decision processing. *Frontiers in Human Neuroscience*, 275.
- (7) **Ko, L. W.***, Shih, Y.C., Chikara, R. K., Chuang, Y. T., & Chang, E. C.* (2016). Neural Mechanisms of Inhibitory Response in a Battlefield Scenario: a Simultaneous fMRI-EEG Study. *Frontiers in Human Neuroscience*, doi: 10.3389/fnhum.2016.00185.
- (8) **Tsai, S. Y.**, Fang, C. H., Wu, T. Y., & Lin, Y. R.* (2016). Effects of Frequency Drift on the Quantification of Gamma-Aminobutyric Acid Using MEGA-PRES. *Scientific Reports*. 6, 24564. doi: 10.1038/srep24564.
- (9) Wen, T.* & Hsieh, S.* (2016). Network-based analysis reveals functional connectivity related to internet addiction tendency. *Frontiers in Human Neuroscience*, 10, 6. doi: 10.3389/fnhum.2016.00006 (SCI, IF: 3.20, 2016; Ranking: 17/76 = 0.22 in Psychology)

2015 年 期刊論文(15 篇)

- (1) **Chan, Y. C.*** & Lavallee, J. P. (2015). Temporo-parietal and fronto-parietal lobe contributions to theory of mind and executive control: An fMRI study of verbal jokes. *Frontiers in Psychology*, 6, 1285.
- (2) **Chang, Y. K.***, Tsai, J. H. C., Wang, C. C., & Chang, E. C. (2015). Structural differences in basal ganglia of elite running versus martial arts athletes: A diffusion tensor imaging study. *Experimental Brain Research*, 1-10.
- (3) **Huimin Bhikshu.*** (2015). The Four Immeasurables in the Bodhisattvabhūmi and Mahāyānasūtrālamkāra and their Implementation in a Measuring Scale for a Study of Brain Imaging. *Dharma Drum Journal of Buddhist Studies*, Vol.16, 33-61.
- (4) Hung, Y. H., Pallier, C., Dehaene, S., Lin, Y. C., Chang, A., Tzeng, O. J. L., & **Wu, D. H.*** (2015). Neural correlates of merging number words. *NeuroImage*, 122, 33-43.
- (5) Lin, Y. C., Chen, H. Y., Lai, Y. C., & **Wu, D. H.*** (2015). Phonological similarity and orthographic similarity affect probed serial recall of Chinese characters. *Memory and Cognition*, 43(3), 538-554.
- (6) Niddam, D. M.*¹, **Tsai, S.Y.**¹, & Lin, Y. R. (2015). Statistical Mapping of Metabolites in the Medial Wall of the Brain: A Proton Echo Planar Spectroscopic Imaging Study. *Human Brain Mapping*. 36(3):852-861. (¹ David M. Niddam and Shang-Yueh Tsai contributed equally to this work)
- (7) **Tsai, S. Y.**, Hsu, Y. C., Chu, Y. H., Kuo, W. H., & Lin, F. H.* (2015). Combining parallel detection of proton echo planar spectroscopic imaging (PEPSI) measurements with a data-consistency constraint improves SNR. *NMR in Biomedicine*. 28(12):1678-1687
- (8) **Tsai, S. Y.**, Wang, W. C., & Lin, Y. R.* (2015). Comparison of Sagittal and Transverse Echo Planar Spectroscopic Imaging on the Quantification of Brain Metabolites. *Journal of Neuroimaging*. 25(2):167-174
- (9) Tseng, Y. S., Huang, T. Y.* & **Tsai, S.Y.** (2015). Reducing signal loss of the parahippocampal gyrus improves imaging of the default-mode network in 3.0 T MRI: The effect of susceptibility-induced field gradients. *NMR in Biomed*. 28(12):1739-1746

- (10) Wu, C. L., An, C. P., Tseng, L. P., **Chen, H. C.***, Chan, Y. C., Cho, S. L., & Tsai, M. L. (2015). Fear of being laughed at with relation to parent attachment in individuals with autism. *Research in Autism Spectrum Disorders*, 10, 116-123.
- (11) Yeh, C. J., Tseng, Y. S., Lin, Y. R., **Tsai, S. Y.**, & Huang, T. Y.* (2015). Resting-State Functional Magnetic Resonance Imaging: The Impact of Regression Analysis. *Journal of Neuroimaging*, 25(1), 117-123.
- (12) **Yeh, Y. C.***, Lin, C. W., Hsu, W.C., Kuo, W. J., & Chan, Y. C. (2015). Associated and dissociated neural substrates of aesthetic judgment and aesthetic emotion during the appreciation of everyday designed products. *Neuropsychologia*, 73, 151-160.
- (13) Yu, B., Nakao, N., Xu, J., Qin, P., Chaves, P., Heinzl, A., Duncan, N., **Lane, T. J.**, Yen, N. S., Tsai, S. Y., & Northoff, G.* (2015, Aug.). Resting state glutamate predicts elevated pre-stimulus alpha during self-relatedness-A combined EEG-MRS study on rest-self overlap. *Social Neuroscience*, 1-14.
DOI:10.1080/17470919.2015.1072582
- (14) Yu, J. X., Tseng, P., Hung, D. L., Wu, S W., & **Juan, C. H.*** (2015). Brain stimulation improves cognitive control by modulating medial-frontal activity and preSMA- vmPFC functional connectivity. *Human Brain Mapping*, 36(10):4004-15.
- (15) **詹雨臻*** (2015). 幽默的腦神經機制。教育與心理研究期刊, 38(3), 101-135。
Chan, Y. C.*(2015). The Neural Substrates of Humor Processing: An Integrative Review. *Journal of Education & Psychology*, 38, 3

2014 年 期刊論文(1 篇)

- (1) Tseng, L. Y., Tseng, P., Liang, W. K., Hung, D.L., Tzeng, O, Muggleton, N, & **Juan, C. H.*** (2014). The role of superior temporal sulcus in the control of irrelevant emotional face processing: A transcranial direct current stimulation study. *Neuropsychologia*, 64, 124-133.

2013 年 期刊論文(1 篇)

- (1) **張育愷***、祝堅恆、王俊智、楊高騰 (2013)。以磁共振造影取向探討身體活動與神經認知功能老化：回顧與展望。教育心理學報, 45(1), 83-102。