

*彭宗義醫師

所有發表期刊論文、演講

國際期刊論文：

- 1) Jou MJ, Peng TI, and Sheu SS. Histamine induces oscillations of mitochondrial free Ca²⁺ concentrations in single rat brain astrocytes. **Journal of Physiology -London** 497(2): 299-308, 1996 Dec.

期刊分科排名：在 PHYSIOLOGY 領域 (11/80=13.75%)

排名：為 80 種期刊中排名第 11 位

影響係數：Impact Factor : **4.380**

- 2) Yang J, Liu X, Bhalla K, Kim CN, Ibrado AM, Lai J, Peng TI, Jones DP and Wang X. Prevention of apoptosis by Bcl-2: Release of cytochrome c from mitochondria blocked.

Science 275: 1129-1132, 1997 Feb.

期刊分科排名：在 MULTIDISCIPLINARY SCIENCES 領域 (2/56=3.57%)

排名：為 56 種期刊中排名第 2 位

影響係數：Impact Factor : **31.027**

- 3) Peng TI, Jou MJ, Sheu SS, and Greenamyre JT. Visualization of NMDA receptor induced mitochondrial calcium accumulation in striatal neurons. **Experimental Neurology** 149(1): 1-12, 1998 Jan.

期刊分科排名：在 NEUROSCIENCES 領域 (48/252=19.04%)

排名：為 252 種期刊中排名第 48 位

影響係數：Impact Factor : **4.645**

附註：本篇內之附圖被選為封面之圖.刊登於該期刊 1998 年 1 月份期刊之封面上

- 4) *Peng TI, and Greenamyre JT. Privileged access to mitochondria of calcium influx through N-Methyl-D-Aspartate Receptors. *第一兼通訊作者

Molecular Pharmacology 53(6): 974-980, 1998 Jun.

期刊分科排名：在 PHARMACOLOGY & PHARMACY 領域 (35/261=13.4%)

排名：為 261 種期刊中排名第 35 位

影響係數：Impact Factor : **4.411**

附註：本篇內之附圖被選為封面之圖.刊登於該期刊 1998 年 7 月份至 12 月份之封面上 (共 6 本期刊).

5) Greenamyre JT, MacKenzie G, **Peng TI**, Stephans SE. Mitochondrial dysfunction in Parkinson's disease. **Biochemical Society Symposia**. 66: 85-97, 1999. (研討會論文)

6) Jou MJ, Jou SB, Chen HM, Lin CH, and ***Peng TI**. Critical role of mitochondrial reactive oxygen species formation in visible laser irradiation induced apoptosis in rat brain astrocyte RBA-1 cells. **Journal of Biomedical Science**. 9(6): 507-516, 2002 Nov. *通訊作者

期刊分科排名：在 MEDICINE, RESEARCH & EXPERIMENTAL 領域 (57/121=47.10%)

排名：為 121 種期刊中排名第 57 位

影響係數：Impact Factor : **2.458**

7) Peng T-I and Jou M.-J*. (2004) Imaging mitochondria in living cells by confocal fluorescence microscopy. Second Asian and Pacific Rim Symposium on Biophotonics - Proceedings, 89-90. (研討會論文)

8) Jou M-J, **Peng T-I***, Guo M-J, Wang H-L, and Murphy MP. Spatial and temporal heterogeneity of mitochondrial dysfunction induced by laser irradiation in single intact rat brain cells. **Mitochondrion**, 4: 65-66, 2004

期刊分科排名：在 CELL BIOLOGY 領域 (71/184=38.38%)

排名：為 185 種期刊中排名第 71 位

影響係數：Impact Factor : **4.025**

9) **Peng T-I**, Jou M-J*, Wu H-Y, Wei Y-H, Murphy MP, and Ho T. Mitochondrial calcium and ROS mediated apoptosis plays a potential pathogenic role in diseases associated with mitochondrial DNA 4977 bp deletion. **Mitochondrion**, 4: 65-66, 2004

期刊分科排名：在 CELL BIOLOGY 領域 (71/185=38.38%)

排名：為 185 種期刊中排名第 71 位

影響係數：Impact Factor : **4.025**

10) Jou MJ, Jou SB, Wu HY, Kuo MJ and ***Peng TI**. Mitochondrial reactive oxygen species generation and mitochondrial calcium increase induced by visible light in astrocytes.

Annals of the New York Academy of Sciences. 1011:45-56, 2004 Apr.

*通訊作者

期刊分科排名：在 MULTIDISCIPLINARY SCIENCES 領域 (6/56=10.71%)

排名：為 56 種期刊中排名第 6 位

影響係數：Impact Factor : **4.375**

- 11) **Peng TI** and Jou MJ. Mitochondrial swelling and generation of reactive oxygen species induced by photo-irradiation are heterogeneously distributed. **Annals of the New York Academy of Sciences.** 1011:112-122, 2004 Apr.

期刊分科排名:在 MULTIDISCIPLINARY SCIENCES 領域 (6/56=10.71%)
排名:為 56 種期刊中排名第 6 位

影響係數: Impact Factor : **4.364**

本篇內之附圖被選為封面之圖.刊登於該期刊 **2004 年 4 月份期刊之封面**
上

- 12) Jou MJ, **Peng TI**, Reiter RJ, Jou SB, Wu HY and Wen ST. Visualization of the antioxidative effects of melatonin at the mitochondrial level during oxidative stress-induced apoptosis of rat brain astrocytes. **Journal of Pineal Research.** 37: 55-70, 2004 Aug

期刊分科排名: 在 PHYSIOLOGY 領域 (4/80=5%)

排名: 為 80 種期刊中排名第 4 位

影響係數: Impact Factor : **7.304**

- 13) **Peng TI**, Chang CJ, Guo MJ, Wang YH, Yu JS, Wu HY, and Jou MJ. Mitochondrion-targeted photosensitizer enhances the photodynamic effect-induced mitochondrial dysfunction and apoptosis. **Annals of the New York Academy of Sciences.** 1042: 419-428, 2005 June.

期刊分科排名: 在 MULTIDISCIPLINARY SCIENCES 領域 (6/56=10.71%)

排名: 為 56 種期刊中排名第 6 位

影響係數: Impact Factor : **4.364**

- 14) Jou MJ, ***Peng TI**, Wu HY and Wei YH. Enhanced generation of mitochondrial reactive oxygen species in cybrids containing 4977-bp mitochondrial DNA deletion. *通訊作者

Annals of the New York Academy of Sciences. 1042: 221-228, 2005 June.

期刊分科排名: 在 MULTIDISCIPLINARY SCIENCES 領域 (6/56=10.71%)

排名: 為 56 種期刊中排名第 6 位

影響係數: Impact Factor : **4.364**

- 15) **Peng TI**, Chang CJ, Jou SB, Young CM, and Jou MJ*. Photosensitizer Targeting: mitochondrion-targeted photosensitizer enhances mitochondrial reactive oxygen species and mitochondrial calcium-mediated apoptosis. **Optical and Quantum Electronics.** 37

(13-15): 1377 – 1384, 2005 December

期刊分科排名：在 ENGINEERING, ELECTRICAL & ELECTRONIC 領域
(135/243=55.56%)

排名：為 243 種期刊中排名第 135 位

影響係數：Impact Factor : **0.987**

- 16) **Peng TI**, Yu PR, Chen JY, Wang HL, Wu HY, Wei YH, and Jou MJ*.

Visualizing common deletion of mitochondrial DNA-augmented mitochondrial reactive oxygen species generation and apoptosis upon oxidative stress. **Biochimica et Biophysica Acta -Molecular basis of disease.** 1762 (2): 241-255, 2006 Feb.

期刊分科排名：在 BIOPHYSICS 領域 (11/72=15.28%)

排名：為 72 種期刊中排名第 11 位

影響係數：Impact Factor : **4.91**

- 17) Jou MJ, **Peng TI**, Yu PZ, Jou SB, Reiter RJ, Chen JY, Wu HY, Chen CC, Hsu LF.

Melatonin protects against common deletion of mitochondrial DNA-augmented mitochondrial oxidative stress and apoptosis. **Journal of Pineal Research** 43 (4), 389–403. 2007 Oct.

期刊分科排名：在 PHYSIOLOGY 領域 (4/80=5%)

排名：為 80 種期刊中排名第 4 位

影響係數：Impact Factor : **7.304**

- 18) Huang WY, Weng WC, **Peng TI**, Ro LS, Yang CW, Chen KH. Central pontine and extrapontine myelinolysis after rapid correction of hyponatremia by hemodialysis in a uremic patient. **Renal Failure**. 29(5):635-8, 2007.

期刊分科排名：在 UROLOGY & NEPHROLOGY 領域 (60/73=82.19%)

排名：為 73 種期刊中排名第 60 位

影響係數：Impact Factor : **0.941**

- 19) Huang WY, Weng WC, Chien YY, Wu CL, Chen KH, and **Peng TI***. Predictive factors of outcome and stroke recurrence in patients with unilateral atherosclerosis-related internal carotid artery occlusion. **Neurology India**. 56: 173-8. 2008. *通訊作者

期刊分科排名：在 NEUROSCIENCES 領域 (218/252=86.5%)

排名：為 252 種期刊中排名第 218 位

影響係數：Impact Factor : **1.044**

- 20) Weng WC, Huang WY, Ryu SJ, Chang KH, Lin SK4, and **Peng TI***. Very Early Onset Hemorrhagic Transformation of a Subcortical Infarction. **Acta**

Neurologica Taiwanica. (台灣神經學雜誌) 17(4): :263-6 2008
December. *通訊作者

- 21) Huang WY, Chien YY, Wu CL, Weng WC, **Peng TI**, Chen HC. Pituitary adenoma apoplexy with initial presentation mimicking bacterial meningoencephalitis: a case report. **American Journal of Emergency Medicine**. 27(4):517.e1-4, 2009 May

期刊分科排名：在 EMERGENCY MEDICINE 領域 (8/25=32%)

排名：為 25 種期刊中排名第 8 位

影響係數：Impact Factor : **1.704**

- 22) Huang WY, Chen IC, Lee M, Weng WC, and **Peng TI***. The influence of anemia on clinical presentation and outcome of patients with first-ever atherosclerosis-related ischemic stroke. **Journal of Clinical Neuroscience**. 16: 645-9. 2009 May. *通訊作者

期刊分科排名：在 CLINICAL NEUROLOGY 領域 (145/193=75.13%)

排名：為 193 種期刊中排名第 145 位

影響係數：Impact Factor : **1.253**

- 23) Mei-Jie Jou*, **Tsung-I Peng***, Lee-Fen Hsu*, Shuo-Bin Jou, Russel J. Reiter, Chuen-Mao Yang, Chuan-Chin Chiao, Yi-Fan Lin and Chun-Chia Chen. Visualization of melatonin's multiple mitochondrial levels of protection against mitochondrial Ca²⁺-mediated permeability transition and beyond in rat brain astrocytes. *These three authors are contributed equally to this work.

Journal of Pineal Research 48 (1): 20-38. 2010 Jan.

期刊分科排名：在 PHYSIOLOGY 領域 (4/80=5%)

排名：為 80 種期刊中排名第 4 位

影響係數：Impact Factor : **7.304**

- 24) **Peng TI**, Jou MJ. Oxidative stress caused by mitochondrial calcium overload. **Annals of the New York Academy of Sciences**. 1201:183-8, 2010 Jul

期刊分科排名：在 MULTIDISCIPLINARY SCIENCES 領域 (6/56=10.71%)

排名：為 56 種期刊中排名第 6 位

影響係數：Impact Factor : **4.364**

- 25) Wei-Chieh Weng, Wen-Yi Huang,, Yu-Yi Chien,, Chia-Lun Wu, Feng-Chieh Su, Heng Jung Hsu, Tsong-Hai Lee and **Tsung-I Peng***. The impact of

smoking on the severity of acute ischemic stroke. **Journal of the Neurological Sciences** 308: 94–97, 2011 Sep *通訊作者

期刊分科排名：在 CLINICAL NEUROLOGY 領域 (89/193=46.11%)

排名：為 193 種期刊中排名第 89 位

影響係數：Impact Factor : **2.243**

- 26) Weng, Wei-Chieh. Huang, Wen-Yi. **Peng, Tsung-I.** Chien, Yu-Yi. Chang, Kuo-Hsuan. Ro, Long-Sun. Lyu, Rong-Kuo. Wu, Chia-Lun. Clinical characteristics of adult tetanus in a Taiwan medical center. **Journal of the Formosan Medical Association.** 110(11):705-10, 2011 Nov.

期刊分科排名：在 MEDICINE, GENERAL & INTERNAL 領域 (81/155=52.26%)

排名：為 155 種期刊中排名第 81 位

影響係數：Impact Factor : **1.000**

- 27) Tsung-I Peng, Chia-Wei Hsiao, Masashi Tanaka, Yiu-Kay Lai and Mei-Jie Jou. mtDNA T8993G mutation-induced mitochondrial complex V inhibition augments cardiolipin-dependent alterations of mitochondrial dynamics during oxidative, Ca²⁺ and lipid insults in NARP cybrids: A potential therapeutic target for melatonin. **Journal of Pineal Research** 52(1): 93-106, 2012 Jan.

期刊分科排名：在 PHYSIOLOGY 領域 (4/80=5%)

排名：為 80 種期刊中排名第 4 位

影響係數：Impact Factor : **7.304**

- 28) Wen-Yi Huang, **Tsung-I Peng**, Wei-Chieh Weng, Yu-Yi Chien, Chia-Lun Wu, Meng Lee, Kuan-Hsing Chen, Higher leukocyte count is associated with higher risk of 3-year mortality in non-diabetic patients with first-ever ischemic stroke. **Journal of the Neurological Sciences** 316: 93–98, 2012

期刊分科排名：在 CLINICAL NEUROLOGY 領域 (89/193=46.11%)

排名：為 193 種期刊中排名第 89 位

影響係數：Impact Factor : **2.243**

- 29) Chi-Hung Liu, Dean Wu, Shy-Chyi Chin, Ser-Chen Fu, Tai-Cheng Wu, Chien-Hung Chang, **Tsung-I Peng**, Yeu-Jhy Chang, Tsong-Hai Lee. Cervicocranial Fibromuscular Dysplasia in Taiwanese Ischemic Stroke Patients. **European Neurology** 67:129–135, 2012.

期刊分科排名：在 CLINICAL NEUROLOGY 領域 (130/193=67.36%)

排名：為 193 種期刊中排名第 130 位

影響係數：Impact Factor : **1.500**

- 30) Wen-Yi Huang, Wei-Chieh Weng, **Tsung-I Peng**, Yu-Yi Chien, Chia-Lun Wu, Meng Lee, Cheng-Chieh Hung, Kuan-Hsing Chen. Association of Hyponatremia in Acute Stroke Stage with Three-Year Mortality in Patients with First-Ever Ischemic Stroke. **Cerebrovascular diseases**; 34: 55–62 2012

期刊分科排名：在 CLINICAL NEUROLOGY 領域 (66/193=34.2%)

排名：為 193 種期刊中排名第 66 位

影響係數：Impact Factor : **2.814**

- 31) Chia-Wei Hsiao, **Tsung-I Peng**, Alexander C. Peng, Russel J. Reiter, Masashi Tanaka, Yiu-Kay Lai, Mei-Jie Jou. Long-term A β exposure augments mCa²⁺ independent mROS-mediated depletion of cardiolipin for the shift of a lethal transient mitochondrial permeability transition to its permanent mode in NARP cybrids: a protective targeting of melatonin. **Journal of Pineal Research** 54: 107–125, 2013;

期刊分科排名：在 PHYSIOLOGY 領域 (4/80=5%)

排名：為 80 種期刊中排名第 4 位

影響係數：Impact Factor : **7.304**

- 32) **Peng T-I**, Lin M-S*, Jou M-J*. Dual phases of respiration chain defect-augmented mROS-mediated mCa²⁺ stress during oxidative insult in normal and ρ 0 RBA1 astrocytes. **Oxidative Medicine and Cellular Longevity** 2013;2013:159567. doi: 10.1155/2013/159567. Epub 2013 Mar 10.

期刊分科排名：在 CELL BIOLOGY 領域 (85/185=45.95%)

排名：為 185 種期刊中排名第 85 位

影響係數：Impact Factor : **3.393**

- 33) Wei-Chieh Weng, Wen-Yi Huang, Feng-Chieh Su, Yu-Yi Chien, Chia-Lun Wu, Tsong-Hai Lee, Tsung-I Peng. Less favorable neurological recovery after acute stroke in patients with hypercholesterolemia. **Clinical Neurology and Neurosurgery** 115(8):1446-50 2013

期刊分科排名：在 SURGERY 領域 (112/199=56.28%)

排名：為 112 種期刊中排名第 199 位

影響係數：Impact Factor : **1.234**

- 34) Wen-Yi Huang, Mei-Jie Jou, **Tsung-I Peng.*** mtDNA T8993G

Mutation-Induced F1F0-ATP Synthase Defect Augments Mitochondrial Dysfunction Associated with hypoxia/reoxygenation: The Protective Role of Melatonin. **PLOS ONE** Nov 29;8(11) 2013

期刊分科排名：在 MULTIDISCIPLINARY SCIENCES 領域
(7/56=12.5%)

排名：為 56 種期刊中排名第 7 位

影響係數：Impact Factor : **3.73**

- 35) Yi-Chia Wei, Chi-Hung Liu, Jainn-Jim Linc, Kun-Ju Line, Ko-Lun Huang, Tsong-Hai Lee, Yeu-Jhy Chang, **Tsung-I Peng**, Kuang-Lin Linc, Ting-Yu Chang, Chien-Hung Chang, Hung-Chou Kuo, Kuo-Hsuan Chang, Mei-Yun Cheng, Chin-Chang Huang. Rapid progression and brain atrophy in anti-AMPA receptor encephalitis. **Journal of Neuroimmunology** 261 (1-2), pp. 129-133. 2013

期刊分科排名：在 NEUROSCIENCES 領域 (116/252=46.03%)

排名：為 252 種期刊中排名第 116 位

影響係數：Impact Factor : **3.033**

- 36) Ting-Chun Lin, Tzu-Hao Chao, Yao Shieh, Tsong-Hai Lee, Yeu-Jhy Chang, Jiann-Der Lee, Tsung-I Peng, Ku-Chou Chang, Chia-Wei Liou, Ting-Yu Chang, Kuo Lun Hung, Chien-Hung Chang.
The impact of intracranial carotid artery calcification on the development of thrombolysis-induced intracerebral hemorrhage. **Journal of Stroke and Cerebrovascular Diseases** Nov;22(8):e455-62. 2013

期刊分科排名：在 PERIPHERAL VASCULAR DISEASE 領域
(40/68=58.82%)

排名：為 68 種期刊中排名第 40 位

影響係數：Impact Factor : **1.984**

- 37) Yi-Chia Wei, Chi-Hung Liu, Ting-Yu Chang, Shy-Chyi Chin, Chien-Hung Chang, Kuo-Lun Huang, Yeu-Jhy Chang, **Tsung-I. Peng**, Tsong-Hai Lee. Coexisting diseases of moyamoya vasculopathy. **Journal of Stroke and Cerebrovascular Diseases** Jul;23(6):1344-50. 2014

期刊分科排名：在 PERIPHERAL VASCULAR DISEASE 領域
(40/68=58.82%)

排名：為 68 種期刊中排名第 40 位

影響係數 : Impact Factor : **1.984**

- 38) Wen-Yi Huang, Mei-Jie Jou, **Tsung-I Peng.*** Hypoxic preconditioning-induced mitochondrial protection is not disrupted in a cell model of mtDNA T8993G mutation-induced F1F0-ATP synthase defect: The role of mitochondrial permeability transition. **Free Radical Biology and Medicine** Feb 67:314-29. 2014

期刊分科排名 : 在 ENDOCRINOLOGY & METABOLISM 領域
(17/122=13.93%)

排名 : 為 122 種期刊中排名第 17 位

影響係數 : Impact Factor : **5.271**

- 39) **Peng TI.** Jou MJ. Valsartan Protects Mitochondria Dysfunction and Prevents Apoptosis induced by Oxidative Stress in Cybrids harboring Mitochondrial DNA 4977 bp Deletion via an Angiotensin II type 1 receptor independent way. (in preparation)

- 40) Hsiao C-W, Peng T-I, Jou M-J*. (2013) mtDNA T8993G (NARP) mutation augments mCa²⁺-mediated mROS dependent cardiolipin depletion for lethal transient mitochondrial permeability transition: implications for pathogenesis and treatment of NARP. (in preparation)

- 41) **Peng TI.** Jou MJ and Sheu SS. Sodium and calcium influxes induced by arachidonic acid in astrocytes are inhibited by nickel and amiloride. (in preparation)

國際學術會議受邀演講：

- 1) 亞洲粒線體醫學及研究學會 2003 年度 第一屆年會 於 韓國漢城
The 1st meeting of: **Asian Society for Mitochondrial Research and Medicine**
held in Seoul, Korea. February 5-6, 2003
講題：Depolarized mitochondrial membrane potential induced by calcium uptake.
- 2) 亞洲粒線體醫學及研究學會 2004 年度 第二屆年會 於 台北
The 2nd meeting of: **Asian Society for Mitochondrial Research and Medicine**
held in Taipei, Taiwan. April 01-02, 2004
講題：Mitochondrial calcium uptake and ROS generation play significant roles in mitochondrial dysfunction and the resultant apoptosis in cybrids with mtDNA 4977 basepair deletion.
- 3) 亞洲粒線體醫學及研究學會 2009 年度 第六屆年會 於 台北
The 6th meeting of: **Asian Society for Mitochondrial Research and Medicine**
held in Taipei, Taiwan. Oct 30- Nov 01, 2009
講題：Oxidative stress caused by mitochondrial calcium overload.

國內學術會議受邀演講：

- 1) **台灣醫學會** 2002 年度年會 專題講座 受邀演講 Nov 11, 2002
講座：共軛焦顯微鏡在生物醫學研究之應用 主主持人：李英雄
講題：擷取細胞鮮活的影像
- 2) **台灣粒線體研究醫學會** 2006 年度 第一屆年會
講題：Visualizing the augmented mitochondrial reactive oxygen species generation upon oxidative stress in cybrids containing 4977-bp mitochondrial DNA deletion by confocal imaging.
- 3) **中華民國醫用雷射光電學會** 2007 年度 年會
講題：Living cells imaging with laser scanning confocal microscope.
- 4) **台灣粒線體研究醫學會** 2008 年度 第二屆年會
講題：Dynamic imaging mitochondrial dysfunction in cultured cybrids cells from patients with mitochondrial diseases.