

<p>期刊 論文</p>	<p><b>SCI or SSCI Journal Papers</b></p> <p>Pan S-Y, Lin YJ*, Snyder SW, Ma H-W, Chiang P-C*, 2016. "Assessing the Environmental Impacts and Water Consumption of Pretreatment and Conditioning Processes of Corn Stover Hydrolysate Liquor in Biorefineries" . <i>Energy</i>, 116, p. 436–444. (IF=4.28)</p> <p>Lin Y-P, Wang W-H, Pan S-Y, Ho C-C, Hou C-J, Chiang P-C*, 2016. "Environmental impacts and benefits of organic Rankine cycle power generation technology and wood pellet fuel exemplified by electric arc furnace steel industry" , <i>Applied Energy</i>, 183, p. 369–379. (IF=5.746)</p> <p>Shih Y-H, Shi N-X, Tseng C-H*, Pan S-Y, Chiang P-C, 2016. " Socioeconomic costs of replacing nuclear power with fossil and renewable energy in Taiwan" , <i>Energy</i>, 114, p. 369–381. (IF=4.292)</p> <p>Pan S-Y, Adhikari R, Chen Y-H, P. Li, Chiang P-C*, 2016. "Integrated and Innovative Steel Slag Utilization for Iron Reclamation, Green Material Production and CO2 Fixation via Accelerated Carbonation" , <i>Journal of Cleaner Production</i>, 37, p. 617–631. (IF=4.959)</p> <p>Pan S-Y, Hung C-H, Chan Y-W, Kim H, P. Li, Chiang P-C*, 2016. "Integrated CO2 Fixation, Waste Stabilization and Product Utilization via High-gravity Carbonation Process: Sustainable Carbon and Material Cycles" , <i>ACS Sustainable Chemistry and Engineering</i>, 4, p. 3045–3052. (IF=5.267)</p> <p>P. Li, Pan S-Y, Pei S, Lin YJ, Chiang P-C*, 2016. "Challenges and Perspectives on Carbon Capture, Storage, Utilization, and Conversion Technologies: An Overview" , <i>Aerosol and Air Quality Research</i>, 16, p. 1327–44. (IF=2.393)</p> <p>Pan S-Y, Liu H-L, Chang E-E, Kim H, Chen Y-H, Chiang P-C*, 2016. "Multiple Model Approach to Determination of the Maximal Carbonation Conversion for Steelmaking Slag in a Slurry Reactor" . <i>Chemosphere</i>, 154, p. 63–71. (IF=3.698)</p> <p>Chen K-W, Pan S-Y, Chen C-T, Chen Y-H, Chiang P-C*, 2016. "High-gravity Carbonation of Basic Oxygen Furnace Slag for CO2 Fixation and Utilization in Blended Cement" , <i>Journal of Cleaner Production</i>, 126, p. 350–360. (IF=4.959)</p> <p>Pan S-Y, Lorente Lafuente AM, Chiang P-C*, 2016. "Engineering, Environmental, and Economic Performance of High-gravity Carbonation Process for Carbon Capture and Utilization in the Steelmaking Industry" . <i>Applied Energy</i>, 170, p. 269-277. (IF 5.613)</p> <p>Pan S-Y, Chiang P-C, Chen Y-H, Kim H, Tan C-S, Chang E-E*, 2016. "Validating Carbonation Parameters of Alkaline Solid Wastes via Integrated Thermal Analyses: Principles and Applications" , <i>Journal of Hazardous Materials</i>, 307, p. 253–262.</p> <p>Shu-Yuan Pan, Yi-Hung Chen, Chun-Da Chen, Ai-Lin Shan, Michael Lin, and Pen-Chi Chiang*, 2015. "High-gravity Carbonation Process for Enhancing CO2 Fixation and Utilization Exemplified by the Steelmaking Industry" , <i>Environmental Science and Technology</i>, 49, p. 12380–87.</p> <p>Qianyun Chang, Chenghang Zheng, Xiang Gao, Pen-Chi Chiang, Mengxiang Fang, Zhongyang Luo, Kefa Cen, 2015. "Systematic Approach to Optimization of Submicron Particle Agglomeration Using Ionic-Wind-Assisted Pre-Charger" , <i>Aerosol and Air Quality Research</i>, 15 (7), p. 2709-2719.</p>
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