

DOI: 10.1016/j.oceaneng.2024.118908 Corpus ID: 271780266; Experimental and numerical study on dynamic response of a photovoltaic support structural platform with a U-shaped tuned liquid column damper

The tracking photovoltaic support system consisted of 10 pillars (including 1 drive pillar), one axis bar, 11 shaft rods, 52 photovoltaic panels, 54 photovoltaic support purlins, driving devices and 9 sliding bearings, and also includes the connection between the frame and its axis bar. Total length was 60.49 m, as shown in Fig. 8.

Bo Xiang, Yasheng Ji, Yanping Yuan*, Dan Wu, Chao Zeng, Jinzhi Zhou. 10-year simulation of photovoltaic-thermal road assisted ground source heat pump system for accommodation building heating in expressway service area. *Solar Energy*. 2021,215: 459-472 (IF=4.608) Juan Zhao, Yanping Yuan*, Jun Lu, Guohui Feng. Investigation of energy performance ...

DOI: 10.1016/J.APENERGY.2018.07.015 Corpus ID: 116678257; A photovoltaic window with sun-tracking shading elements towards maximum power generation and non-glare daylighting @article{Gao2018APW, title={A photovoltaic window with sun-tracking shading elements towards maximum power generation and non-glare daylighting}, author={Yuan Gao and Jianfei Dong ...

Yuanyuan Sun. School of Earth Sciences and Engineering, Nanjing University. Verified email at nju .cn - Homepage. Groundwater & Soil Remediation Fate and Transport Nanoparticles Organic Pollutants Environmental Toxicology. ... Y Sun, B Gao, SA Bradford, L Wu, H Chen, X Shi, J Wu. *Water research* 68, 24-33, 2015. 207:

As clean and renewable energy, solar energy is pollution-free, rich, widely distributed, and should be actively developed. The solar photovoltaic (PV) system is a typical system that can convert solar energy into electricity directly by using the photogenerated current effect of PV cells. It is widely used in on-grid and off-grid power systems.

DOI: 10.1016/j.jweia.2023.105558 Corpus ID: 261998768; CFD simulations for layout optimal design for ground-mounted photovoltaic panel arrays @article{Sun2023CFDSF, title={CFD simulations for layout optimal design for ground-mounted photovoltaic panel arrays}, author={Jingbo Sun and Yuan He and Xueying Li and Zheng Lu and Xiaofan Yang}, ...

Concentrating photovoltaic (CPV) technology is a promising approach for collecting solar energy and converting it into electricity through photovoltaic cells, with high conversion efficiency.

Yuanyuan Sun (Member, IEEE) received the B.S. and Ph.D. degrees in electrical engineering from the School of Electrical Engineering, Shandong University, Jinan, China, in 2003 and 2009, respectively. She is currently



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an Associate Professor with the School of Electrical Engineering, ...

[4] Yuanyuan Sun, Xiangmin Xie, Peixin Li. Unbalanced source identification at the point of evaluation in the distribution power systems[J]. International Transactions on Electrical Energy ...

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Yuanyuan Sun received the B.S. degree from Fudan University, in 2021, where she is currently pursuing the M.S. degree. Her current research interests include optical fiber sensing and ...

Yuanyuan Sun. Hainan Normal University. Verified email at hainnu .cn. photocatalytic activity. Articles Cited by Public access. Title. Sort. Sort by citations Sort by year Sort by title. ... G Li, Y ...

Yuanyuan Sun. Alibaba Group. Verified email at alibaba-inc . Security RDBMS ... Efficient storage support for real-time near-duplicate video retrieval. ... S Cao, Y Zhou, Y Sun. arXiv ...

Member of WFEO Energy Committee Solar Energy committee IET Fellow (UK) (2) Editorship in International Journals ... support Subproject of National Ministry of Science and Technology ... Zhengming Zhao, Jianzheng Liu, Xiaoying Sun, Liqiang Yuan. Solar Photovoltaic Power Generation and Its Application. Science Press. Oct. 2005

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4. Yuanyuan Sun, Yu Hua, Xue Liu, Shunde Cao and Pengfei Zuo, "DLSH: A Distribution-aware LSH Scheme for Approximate Nearest Neighbor Query in Cloud Computing", in Proceedings of ACM Symposium on Cloud Computing (SoCC), 2017. 5. Yuanyuan Sun, Yu Hua, Song Jiang, Qiuyu Li, Shunde Cao and Pengfei Zuo, "SmartCuckoo: A Fast

PV shading elements with three-DOF sun-tracking abilities are demonstrated capable to meet all the requirements, i.e. gaining the maximum power generation, protecting from glare, and avoiding shadows from the window frame. A corresponding variable-pivot three DOF (VP-3-DOF) sun-tracking algorithm is given in the form of an analytical solution.



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Yuanyuan Sun's 77 research works with 298 citations and 4,084 reads, including: Probabilistic harmonic forecasting of the distribution system considering time-varying uncertainties of the ...

Exponential Stability, Abrupt Changes, Almost Surely, Asynchronous Control, Attention Mechanism, Average Dwell Time, Chua's Circuit, Class Of Nonlinear Systems, Conceptual ...

Long range electromigration of methylammonium ions (MA^+) in methyl ammonium lead tri-iodide (MAPbI_3) film is observed directly using the photo-thermal induced resonance technique. The electromigration of MA^+ leads to the formation of a lateral p-i-n structure, which is the origin of the switchable photovoltaic effect in MAPbI_3 perovskite devices.

LIU Zhen, SUN Yuanyuan, LI Yahui, XU Qingshen, YU Tao, PANG Yanqing. Demand response strategy for distributed photovoltaic smart community based on model prediction of user behavior analysis[J]. Journal of Shandong University(Engineering Science), 2022, 52(5): 24-34.

Biography Yuanyuan Sun received the B.S. degree from Fudan University, in 2021, where she is currently pursuing the M.S. degree. Her current research interests include optical fiber sensing and energy transfer application.

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