

Is "Solar Energy and Power Electronic Co., Ltd." a Fake Company?

When investigating the publications by HAI Tao (海涛), who is working for multiple universities in China and Malaysia, the 5GH Team noted a company named "Solar Energy and Power Electronic Co., Ltd." (SEPE), and suspect that it is a fake company, like the Sun-Life Company which was exposed in 2023 by other academic sleuths.

	wer Bectronic Co., Ltd. Japan/Turkey/Germany			
DOI	Authors	Title	Journal	Yea
0.1016/j.est.2021.102606	Authors Drang Xiaokan (Baoj University of Arts and Sciences), Harrist Farajan, Wasey Xileng (Baoj University of Arts and Sciences), McRison latif, Kantara Ohshma	Scheduling of renewable energy and plug in hybrid electric vehicles based microgrid using hybrid crow—Pattern search method kiwel hybrid modified kill herd algorithm and fluzzy	Journal of Energy Storage	202
3.1016/j.isatra.2022.02.009	Zhuxin Hu (Werchou University), Hojet Norous, Mingeln Jiang (Huayin Institute of Technology), Sajad Dadfar, Tetsuya Kashiwagi	securic vertices based microgras using syons row—Pattern search method. Novel hybrid modified by his hear algorithm and fuzzy controller based MPPT to optimally save the member function for PV system in the three-phase grid- commoditied mode. In the property management and operations planning of temporary management and operations planning of temporary services.	ISA Transactions	202
0.1016/j.epar.2022.108792	Tao Hai (Giarman Normal University for Nationalities), <u>Hechang Zhour</u> (Giarman Normal University for Nationalities), Kengo Marenako Tao thai (Giarman Narreal University for Nationalities),	circo y management and operacional paramity of renewable energy recourses-based microgrid with energy saving An efficient fuzzy-logic based MPPT controller for grid- connected PV systems by farmland fertility optimization	Electric Power Systems Research	202
1016/j.ijeo.2022.169636 Jinsheng Zhou (Clarman Normal University for Nationalities), Kengo Muranaka		connected PV systems by farmland fertility optimization algorithm.	Optik	202
Muhyaddin Rawa, Yosaf Al-Turki, Khaled Sadrisoul, Salad Deffar, Netroted Kriski (Japan)		renewable energy of a microgrid with optimal sizing of battery energy storage considering cost reduction Analysis and enhancement of MPPT technique to	Journal of Energy Storage	202
0.1016/jijeo 2023.171208	Zuheir Aleas, Z.M.S. Etberbary, Alireza Rezvani, Birh Nguyen Le, Mehrdad khaki (Turkey) Hal Tag (Glannan Normal University for Nationalities),	connected PV systems by terminant fertility optimization, algorithm. Optimal operation and stochastic scheduling of terminal stating of patients are energy of a microgrid with optimal stating of battery energy atomage considering cost reduction. Analysis and enhancement of MIPPT technique to increase accuracy and speed in photovoltans systems under different consistons. A ment MIPPT controller in PV systems with holded.	Optik	202
0.1016/j.conengprac.2021.104809	Hel Tag (Glannan Normal University for Nationalities), Mehrdad Ghahremaei, Ferandoon Waly Ahmed, Wang, Jing (Husiya) Institute of Technology), Muhammed Sheksad Nagir, Kentaro Olssiens	whale optimization PS algorithm based ANFIS under different conditions	Control Engineering Practice	202
0.1016/j.seta.2022.102156	Ziad M. Al. Thomer Alquthami, Salem Alkhalaf, <u>Hojat</u> , Norouzi, <u>Sajad Dadfar</u> , Kongo Susuki	Novel hybrid improved bat algorithm and fuzzy system based MPPT for photovoltaic under variable strespheric conditions	Sustainable Energy Technologies and Assessments	202
0.1016/j.seta.2021.101812	Erned M. Ahmed, Hojet Norous, Selem Alkhelef, Zied M. Ali, <u>Sojied Dadfer</u> , Noritoshi Fusukawa	based MPPT for photovoltaic under variable stmaspheric conditions. Enhancement of MPPT controller in PV-BES system using incremental conductance along with hybrid crow- pattern search approach based ANPIS under different environmental conditions.	Sustainable Energy Technologies and Assessments	202
10.1016/j.seta.2022.102628	Tao Hai (Giannan Normal University for Nationalities), Dan Wang (Giannan Normal University for Nationalities), Tetsuya Muranaka	An improved MPPT control-based ANFIS method to maximize power tracking of PEM fuel cell system.	Sustainable Energy Technologies and Assessments	202
0.1016/j.scs.2021.103124	Dan Wang (Clarrian Normal University for Nationalities). Totsuya Muranaka Ujan Zhao (Hobel University of Science and Technology), Houssem Jerbi, Rabeh Abbasei, Bin Usi Hobel University of Science and Technology, Mohsen Laffi, Hobel Nationuse.	Subgrenewable energy systems with energy storage systems based micrograds for cost minimization using hybrid shuffled frog-leaping and pattern search algorithm	Sustainable Cities and Society	202
10.1016/j.conenggrac 2021.104880	Mingrin Jiang (Huslyin Institute of Technology), Mehrdad Ghahremani, Salad Dadfar, Hongbo Chi	A royal combinatorial hybrid SEL_PS algorithm based	Control Engineering Practice	202
	(Capital Aerospace Machinery Co., Ltd.), Yahya N. Abdallah, Nortoshi Furukawa	controller of a hybrid PV-storage system		
0.1016/j.jpowsour 2023.232694		Optimal planning and design of integrated energy systems in a microgrid incorporating electric vehicles and fuel cell system. Efficient maximum power point tracking for a	Journal of Power Sources	202
10.1016/j.jclepno.2021.126573	Shaolei Guo (Narth China University of Waiter Resources and Electric Power), Rabeh Albassi, Houssem Jetki, Alfraza Razyani, Kengo Sumés	and faul cell system. Efficient maximum power point tracking for a photovolaci using hybrid shuffled frog-leaping and pattern search algorithm under changing environmental conditions. A new maximum power point tracking method for PEM faul cell power system based on ANPTS with modified.	Journal of Cleaner Production	202
10.1016/j.conengprac.2023.105481	Zad M. Al, Mujahed Al-Dhafatah, Saad F. Al-Gantari, Tetsuya Muranaka	A new maximum power point tracking method for PEM feel cell power system based on ANFIS with modified menta ray foraging algorithm. A stochastic optimal scheduling of distributed energy rescurces with electric vehicles based an microgrid.	Control Engineering Practice	202
0.1016/j.seta.2022.102879	Teo Hai (Giernan Normal University for Nationalities), Armer K. Alazzawi, Jasei Mohamad Zein, Hitoshi Okawa	rescures with electric vehicles based an microgrid considering electricity price. A modified shuffled from algorithm to improve Assessment	Sustainable Energy Technologies and Assessments	202
0.1016/j.conengprac.2021.104831	Abdaloh Aldosary, Zad M. Ali, Mohammed M. Alhaider, Mehrdad Ohshremani, Sajad Dadfar, Kongo Sucuki Manidom I.I. (Pharoba) Martino I Ingesthyl, Albara	controller in PV System with storage batteries under variable atmospheric conditions.	Control Engineering Practice	202
0.1016/j.ecs.2020.102681	Hualdong U (Shanghai Markime University), Africza Rezvani, Jenkun Hu (Shanghai Markime University), Kertaro Otshirra Zhen Pan (Lacoling Shihua University, Fushun Liscoling).	reactives with electric whiches based an microgrid considering electricity price. A modified shuffled freq algorithm to improve MIPPT A modified shuffled freq algorithm to improve MIPPT controller in PV System with storage batteries under variable attracepteds conditions. Optimal day-aftern derbolding of restorgrid with hybrid electric vehicles using MIPTA algorithm considering control of entirely. Enhancement of manifest movem good thracking. Enhancement of manifest properties with bybrid hand a specific or properties of the properties of the properties of ACT algorithm for the properties of the properties of ACT algorithm for the properties of ACT algorithm for ACT a	Sustainable Cities and Society	202
10.1016/j.jclepro.2020.123719	Nguyen Vu Quynh, Ziad M. Ali. Sajad Dadfar, Tetauya Kashiwagi	BAT algorithm and fuzzy controller Performance improvement of PFM fact cell power	Journal of Cleaner Production	202
10.1016/j.jhydene.2022.10.103	Tao Hai (Giannan Normal University for Nationalities), Ammer K. Alazzawi, Jincheng Zhou (Giannan Normal University for Nationalities), Hamid Farajian	BAT algorithm and fuzzy controller. Performance improvement of PEM fael cell power system using fuzzy logic controller-based MPPT technique to extract the maximum power under various conditions.	International Journal of Hydrogen Energy	202
10.1016/jjclepro.2021.127215	Heil Too (Bee) University of Arts and Sciences), Faradoon Waly Ahmed, Halkawi Abdalgadir kh ahmed, Michsen Laffi, Hicki Nakamura, Yafeng Li (Bee) University of Arts and Sciences)	Hybrid whale optimization and pattern search algorithm for day-shead operation of a microgrid in the presence of electric vehicles and renewable energies	Journal of Cleaner Production	202
10.1016/j.jclepro.2020.124435	Nan Yin (Nanjing Xincahuang University), Rabeh Abbassi, Houssern Jerbi, Alireza Rezvani, Martin Müller	A day-ahead joint energy management and battery sizing framework based on 0-modified krill herd algorithm for a recessable energy integrated micrograph	Journal of Cleaner Production	202
10.1016/j.est.2022.106582	(Germany) Tao Hai (Glannan Normal University for Nationalities), Jischeng Zhou (Glannan Normal University for Nationalities), Ammer k. Alazzawi. Totausa Muranaka	algorithm for a renewable energy-integrated microgrid Management of renewable-based multi-energy microgrids with energy storage and integrated electric vehicles considering uncertainties	Journal of Energy Storage	202
0.1016/j.simpat.2022.102684	Jincheng Zhou (Cleman Normal University for Nationalities), Ammer K. Hazzawi, Totsuya Muranaka Tao Hai (Narehang Institute of Science and Technology, Oleman Normal University for Nationalities), <u>Jincheng</u> <u>Phon</u> (Glaman Normal University for Nationalities).	Modelling and simulation of photovoltaic system using hybrid improved shuffled frog leaping algorithm -Fuzzy controller under partial sheded condition	Simulation Modelling Practice and Theory	202
10.1016/j.scs.2021.103279	Ameri K. Alazzawi, Kongo Muranaka Ning Li (Vian Disversity of Technology, Baoji University of Arts and Sciences), Zhanguo Su (HuaiNan Normal University), Houseem Jerbs, Robel Abbassi, Mohsen	Energy management, and optimized operation of renewable sources and electric vehicles based on microgrid using hybrid granitational search and pettern	Sustainable Cities and Society	202
W. W	Urinesity), Houssem Jerbi, Rabeh Abbassi, Mohsen Leffi, Nirribshi Funkowa Van-Quang-Birth Ngo, <u>Mohsen Letti</u> , Rabeh Abbassi,	microgrid using hybrid gravitational search and pattern search algorithm Improved krill herd algorithm based skilling mode MPPT		
0.1016/j.jfranklin.2021.02.021	Van-Quarg-erin Ngo, Monteen Later, Pottorn Accessor, Houssem Jerbi, Kenfaro Olishimo, Mehrdad Ahaksar Tao Hai (Quargan Normal University for Nationalities).	microgrousing system grantenesses search and passent inspected significant apportunity based signing mode MPPT controller for variable step size PSO method in PV system under simultaneous change of knodance and temperature	Journal of the Franklin Institute	202
10.1016/j.epsr.2023.109070	Jincheng Zhou (Connen Normal University for Nationalties), Aireza Rezyani, Birk Nguyen Le, Hitoshi Okawa	Optimal energy management strategy for a reversible based microgrid with electric vehicles and demand	Electric Power Systems Research	202
10.1016/j.eet.2023.108049	Ziad M. Ali, Mujahed Al-Dhaifatah, Salem Alkhataf, Zuhair Alass, <u>Farah Jamah</u>	response program. Optimal planning and design of a microgrid with integration of energy streage and electric vehicles considering outs savings and emissions reduction. Maximum poseer point tracking technique based on variable step side with sliding mode controller in photovoltaic system.	Journal of Energy Storage	202
0.1007/s00500-022-07588-6	Tao Hai (Qiannan Normal University for Nationalities), Jasni Mohamad Zain, Heoki Nokamura	Maximum power point tracking technique based on variable step size with sliding mode controller in photovoltaic system	Saft Computing	202
10.1007/e00500-023-09195-5	Teo Hai (Giennan Normal University for Nationalities), <u>Museumer Aksoy</u> (Key Laboratory of Complex Systems and Intelligent Cotimization of Guizhou Province).	Optimized MPPT model for different environmental conditions to improve efficacy of a photovoltaic system	Soft Computing	202
10.1007/s00500-022-07282-7	Zad M. Al, Mujehed Al-Dhafalah, <u>Tetsuya Komikawa</u>	Optimal operation and scheduling of a multi-generation micropold using mass-honour optimization algorithm with	Saft Computing	202
0.1007/e00500-022-07452-7	Guo Affue (Jangsu Vocational College of Electronics and Information), Xu Yhan (Jangsu Vocational College of Electronics and Information), Kengo Suzaki	cost reduction A new MPPT design using ISFLA algorithm and FLC to ture the member functions under different environmental	Soft Computing	202
0.1007/s00600-022-07139-z	Selem Alkhalaf, Ziad M. Ali, Hitoshi Olkawa	conditions A novel hybrid gravitational and pattern search algorithm based MPPT controller with ANN and perturb and observe for photovoltais system. Performance enhancement of fruzy-PID controller for MPPT of PV system to extract maximum power under	Soft Computing	202
10.1007/s00500-023-09171-z	Tao Hai (Giannan Normal University for Nationalities), Jincheng Zhou (Giannan Normal University for Nationalities), Northouth Furukawa	Performance enhancement of fuzzy-PID controller for MPPT of PV system to extract maximum power under different conditions	Self Computing	202
10.1007/H00500-023-09021-y	Nationalities), Northoats Farekawa Tao Hai (Osenan Normal University for Nationalities, Hairyin Institute of Technology), Jiansheng Zhou (Osenan Normal University for Nationalities), Mohsen.	conserved conditions. Stochastic energy scheduling in microgrid with real-time and day-ahead markets in the presence of recewable energy resources.	Self Computing	202
0.1115/1.4056526	Custinan norms university of resonances, accused, Lattill	energy ressurces Optimal Energy Scheduling of Microgrid With Electric Vehicles Based on Electricity Market Price	Journal of Energy Resources Technology	202
	K. Alezzwit, Jincheng Zhou (Qiarnen Normal University for Nationalities), Terbuya Muranaka Xiaoe Wu (Bao) University of Arts and Sciences).	An efficient tracking of MPP in PV systems using hybrid		
0.1007/s00500-022-08952-w	Northashi Funikawa, Hai Tao (Bao) University of Arts and Sciences), Harrist farayan Mujahod Al-Dhaitalah, Salem Alkhalat, <u>Hitoshi Olkawa</u> (Turkey)	HCS-PS algorithm based ANFIS under partially shaded conditions Performance Enhancement of MPPT Controller to Tune	Soft Computing	202
0.1007/e40815-023-01622-x	(Turboy)	Optimal Voltage for PV-BES System Using Converged Barnacles Mating Optimizer Algorithm Based ANFIS Applying a Theta-Krill Herd Algorithm to Energy	International Journal of Fuzzy Systems	202
0.1115/1.4050487	Abdelieh Addosery, Muhyeddin Rowe, Zied M. Al, Abdelieh Absecrah, Aireza Rezveri, Kengo Suzaki Zuher Alass, Gelel eldin A. Etaveb, Mulehed Ai-	InCS-PS algorithm based ANPIS under partially shaded conditions. Performance and EMPS Controller Time Performance are fee PS BSS system being Color based and the EMPS and Veryon Vereiller Conditions. A new IMPPT deep using PA BES system using a surface partially shaded conditions. A new IMPPT deep tracing the EMPS and the EMPS and E	Journal of Energy Resources Technology	202
0.1007/600521-023-08453-9	Distribute, Medicen Latti Tao Hai (Giannan Normal University for Nationalities, Guzzhou University), Jasei Mohamad Zain, Kenso.	modified spanow search algorithm based ANFIS under partially shaded conditions. A rowell global MPPT technique to enhance maximum power from PV systems under variable atmospheric	Neural Computing and Applications	202
0.1007/s00500-023-09065-w	Tao hai (Laerash serma Delwinsy on Pariocalines, Guzhoù Liwensty), Jazel Mohamed Zin, Kenso, Muranaka Mrgjang Li (Darnon Nomel Lisuersity for Nationallies), Muammer Aksoy, Samaneh Samad Carlesia	power from PV systems under vertable atmospheric conditions Optimal energy management and scheduling of a microgrid with integrated electric vehicles and cost minimization	Soft Computing	202
0.1007/s00500-023-09168-8	Nationalities), Musermer Aksoy, Samaneh Samad (Turkey) Tao Hai (Arkang University, Glaman Normal University for Nationalities), Musermer Aksoy, Mehrdad Khaki (Turkey)		Soft Computing	202
10.1007/s00500-023-09597-5	for Nationalities), Mearmer Aksey, Mehrdad Khaki (Turkey) Yingle Jang (Changchun Automotive Vocational and	Optimal planning and operation of power grid with electric vehicles considering cost reduction. Optimization strategies for microgrid based on generation scheduling considering cost reduction and	Soft Computing	202

Up to recently, we uncover 44 articles, most of which were published on Elsevier and Springer Nature journals, having authors from the SEPE company. In most of those articles (38 of 44), the authors claimed the company was in Tokyo, Japan, while in 5 articles, the authors claimed the company was in Turkey, and in the other one article, the authors claimed the company was in Germany.

Some common authors being affiliated to both SEPE Japan and SEPE Turkey, such as Mehrdad Khaki in article [1] and [2], suggests that both of these two companies have strong linkages to each other, or that they were likely operated by a same group of individuals. There is no direct evidence about the relation between SEPE Germany and SEPE Japan (or SEPE Turkey), although the 5GH Team has a strong feel that they were linked.

The first reason why we consider SEPE to be a fake company is that its name does not have a brand identifier, such as the "Mitsubishi" in "Mitsubishi Heavy Industries". Companies in Japan usually combine their brand identifier and their business field to form their names, only the top companies in their field do not have a brand identifier in their names, such as Tokyo Electric Power Company. But SEPE is not such a case.

The second reason is that the SEPE company never cooperates with Japanese universities. Instead, the "researchers" from the SEPE company seemed prefer to coauthor with individuals in China, Malaysia, Saudi Arabia, Iran, Iraq, Egypt and others. Each article usually has authors from multiple nations. Take the article [3] for an example, it has six authors from six different nations. And this is likely an indicator of paper mill works.

The 5GH Team also noted that 31 of the 44 above-mentioned articles have authors from China. HAI Tao (海涛), a senior professor at Qiannan Normal University for Nationalities (黔南民族师范学院) and many other universities in China and Malaysia, coauthored in 19 articles, in most of which, HAI is the first author. ZHOU Jincheng (周锦程), another senior professor at Qiannan Normal University for Nationalities also has high number of authorship in those 44 articles. It remains unknown what is the relationship between HAI, ZHOU and the SEPE company.

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The 5GH Team also notes that multiple articles by HAI Tao (海涛) are flagged on PubPeer due to irrelevant citations. The team followed those leads and noted the SEPE company.

The third reason that the abnormal e-mail ID pattern. The SEPE company does not have its own e-mail service, and the authors from the company used personal GMail for their publications. However, those personal GMail IDs exhibit strong patterns, such as "name + nation" (like Tetsuya.muranaka.japan@gmail.com, and mohsen.latifi.ieee.usa@gmail.com), and "name + ieee" (like hojjat.norouzi.ieee@gmail.com and samaneh.samad.ieee@gmail.com). Such patterns indicate the registration of those IDs were highly organized.

These reasons suggest that the SEPE is more likely a paper mill rather than a real company. Any further information about the SEPE company is welcome, please feel free to contact us at: 5GH@5gh.org.cn. The 5GH Team invites the publishers to step in for a joint investigation, and to share detailed outcomes.

[1] 10.1016/j.est.2022.106475

[2] 10.1016/j.ijleo.2023.171208

[3] 10.1016/j.jclepro.2020.123719

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