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Abnormal Citation Patterns on 10.1016/j.ceramint.2025.05.426

Abnormal citation patterns are observed on the article [1]. In the first sentence of this article's Introduction section, "The fuel cell research community has recently paid close attention to nanocomposite ceramic fuel cells [1-15]", 15 references were cited, 14 (93%) of them were coauthored by ZHU Bin. Although 9 of them were also coauthored by Rizwan Raza, one of the authors in this article [1], the other 5 were not coauthored by Raza. This raises concerns that those citations were intended to artificially inflate ZHU's citation metrics. The 5GH Team previously found that another article from Raza also massively cited ZHU's publications [2].

Title: Structural and electrochemical analysis of enhanced ionic conductivity and oxygen permeability in La0.60Bi0.15 Cr0.05Fe0.20O3-δ nanocomposites for high-performance ceramic fuel cells
Authors: Ghulam Dastgir, Muhammad Fakhar-E-Alam, Ahlem Guesmi, **Rizwan Raza**, Muhammad Rafaqat
DOI: 10.1016/j.ceramint.2025.05.426

Citation Statement: The fuel cell research community has recently paid close attention to nanocomposite ceramic fuel cells [1-15]		
#	Title	**Authors**
1	Single-component and three-component fuel cells	**Bin Zhu**, **Rizwan Raza**, Haiying Qin, Liangdong Fan
2	A single-component fuel cell reactor	**Bin Zhu**, Haiying Qin, **Rizwan Raza**, Qinghua Liu, Liangdong Fan, Janne Patakangas, Peter Lund
3	An Electrolyte-Free Fuel Cell Constructed from One Homogenous Layer with Mixed Conductivity	**Bin Zhu**, **Rizwan Raza**, Ghazanfar Abbas, Manish Singh
4	A fuel cell with a single component functioning simultaneously as the electrodes and electrolyte	**Bin Zhu**, Ying Ma, Xiaodi Wang, **Rizwan Raza**, Haiying Qin, Liangdong Fan
5	Advanced electrolyte-free fuel cells based on functional nanocomposites of a single porous component: analysis, modeling and validation	Qinghua Liu, Haiying Qin, **Rizwan Raza**, Liangdong Fan, Yongdan Li, **Bin Zhu**
6	Mixed ion and electron conductive composites for single component fuel cells: I. Effects of composition and pellet thickness	Liangdong Fan, Chengyang Wang, Ose Osamudiamen, **Rizwan Raza**, Manish Singh, **Bin Zhu**
7	Integration design of membrane electrode assemblies in low temperature solid oxide fuel cell	Haiying Qin, **Bin Zhu**, **Rizwan Raza**, Manish Singh, Liangdong Fan, Peter Lund
8		
9	Breakthrough fuel cell technology using ceria-based multi-functional nanocomposites	**Bin Zhu**, Liangdong Fan, Peter Lund
10	A new energy conversion technology based on nano-redox and nano-device processes	**Bin Zhu**, Peter Lund, **Rizwan Raza**, Janne Patakangas, Qiu-An Huang, Liangdong Fan, Manish Singh
11	Recent development of ceria-based (nano)composite materials for low temperature ceramic fuel cells and electrolyte-free fuel cells	Liangdong Fan, Chengyang Wang, Mingming Chen, **Bin Zhu**
12	Schottky junction effect on high performance fuel cells based on nanocomposite materials	**Bin Zhu**, Peter D. Lund, **Rizwan Raza**, Ying Ma, Liangdong Fan, Muhammad Afzal, Janne Patakangas, Yunjun He, Yufeng Zhao, Wenyi Tan, Qiu-An Huang, Jun Zhang, Hao Wang
13	Novel fuel cell with nanocomposite functional layer designed by perovskite solar cell principle	**Bin Zhu**, Yizhong Huang, Liangdong Fan, Ying Ma, Baoyuan Wang, Chen Xia, Muhammad Afzal, Bowei Zhang, Wenjing Dong, Hao Wang, Peter D. Lund
14	Mixed ionic-electronic conductor membrane based fuel cells by incorporating semiconductor Ni0.8Co0.15Al0.05LiO2−δ into the Ce0.8Sm0.2O2−δ-Na2CO3 electrolyte	Wei Zhang, Yixiao Cai, Baoyuan Wang, Chen Xia, Wenjing Dong, Junjiao Li, **Bin Zhu**
15	Natural CuFe2O4 mineral for solid oxide fuel cells	Yanyan Liu, Yan Wu, Wei Zhang, Jing Zhang, Baoyuan Wang, Chen Xia, Muhammad Afzal, Junjiao Li, Manish Singh, **Bin Zhu**

Citation Statement: Perovskite-based oxides have received much attention as SL-SOCFC materials because of their adjustable electrical and ionic conductivity and reliability under operating circumstances [28,29]		
#	Title	**Authors**
28	Effects of composition on the electrochemical property and cell performance of single layer fuel cell	Huiqing Hu, Qizhao Lin, Zhigang Zhu, Xiangrong Liu, Muhammad Afzal, Yunjuan He, **Bin Zhu**

Citation Statement: For engineering use and future commercial applications, strategies to scale up this cutting-edge and inventive SOFC technology should be devised [33].		
#	Title	**Authors**
33	Scaling Up and Characterization of Single-Layer Fuel Cells	Yifeng Zheng, Chen Xia, Wenjing Dong, Junjiao Li, **Bin Zhu**

[1] 10.1016/j.ceramint.2025.05.426

[2] 5GH-2025-000007.R9
