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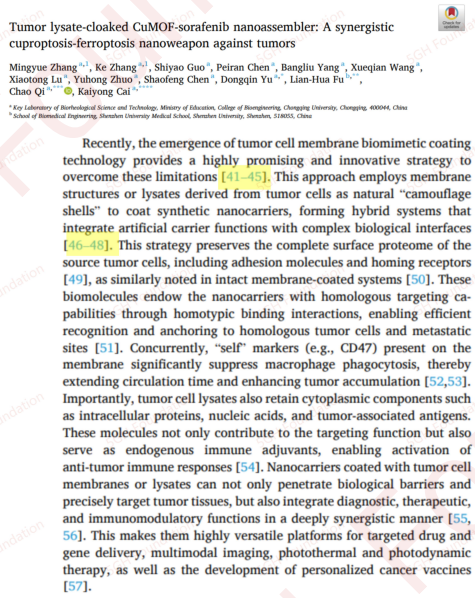
Abnormal Citation Patterns on 10.1016/j.mtbio.2025.102623

Abnormal citation patterns are observed on the article [1]. Seven of the references were co-authored by ZHANG Xianzeng (张先正) with the Wuhan University, and were grouped in Ref 42 to 48, supporting two general citing statement. This indicates potential manipulation of those citations.



Tumor lysate-cloaked CuMOF-sorafenib nanoassembler: A synergistic cuproptosis-ferroptosis nanoweapon against tumors

Mingyue Zhang [a,1], Ke Zhang [a,1], Shiyao Guo [a], Peiran Chen [a], Bangliu Yang [a], Xueqian Wang [a], Xiaotong Lu [a], Yuhong Zhuo [a], Shaofeng Chen [a], Dongqin Yu [b,*], Lian-Hua Fu [b,**], Chao Qi [b,***], Kaiyong Cai [b,****]

[a] Key Laboratory of Biorheological Science and Technology, Ministry of Education, College of Bioengineering, Chongqing University, Chongqing, 400044, China
[b] School of Biomedical Engineering, Shenzhen University Medical School, Shenzhen University, Shenzhen, 518055, China

Recently, the emergence of tumor cell membrane biomimetic coating technology provides a highly promising and innovative strategy to overcome these limitations [41–45]. This approach employs membrane structures or lysates derived from tumor cells as natural "camouflage shells" to coat synthetic nanocarriers, forming hybrid systems that integrate artificial carrier functions with complex biological interfaces [46–48]. This strategy preserves the complete surface proteome of the source tumor cells, including adhesion molecules and homing receptors [49], as similarly noted in intact membrane-coated systems [50]. These biomolecules endow the nanocarriers with homologous targeting capabilities through homotypic binding interactions, enabling efficient recognition and anchoring to homologous tumor cells and metastatic sites [51]. Concurrently, "self" markers (e.g., CD47) present on the membrane significantly suppress macrophage phagocytosis, thereby extending circulation time and enhancing tumor accumulation [52,53]. Importantly, tumor cell lysates also retain cytoplasmic components such as intracellular proteins, nucleic acids, and tumor-associated antigens. These molecules not only contribute to the targeting function but also serve as endogenous immune adjuvants, enabling activation of anti-tumor immune responses [54]. Nanocarriers coated with tumor cell membranes or lysates can not only penetrate biological barriers and precisely target tumor tissues, but also integrate diagnostic, therapeutic, and immunomodulatory functions in a deeply synergistic manner [55, 56]. This makes them highly versatile platforms for targeted drug and gene delivery, multimodal imaging, photothermal and photodynamic therapy, as well as the development of personalized cancer vaccines [57].

Reference	Author(s)
[1]	K. Mani | D. Deng | C. Lin | M. Wang | M.L. Hsu | N.G. Zaorsky
[2]	A. Boire | K. Burke | T.R. Cox | T. Gulze | M. Jamal-Hanjani | T. Janowitz | R. Kaplan | R. Lee | C. Swanton | M.G. Vander Heiden | E. Sahai
[3]	K. Hadian | **B.R. Stockwell**
[4]	P. Meier | A.J. Le Grand | D. Adam | J. Silke
[5]	X. Fang | H. Ardehali | J. Min | F. Wang
[6]	V.E. Kagan | G. Mao | F. Qu | J.P. Angeli | S. Doll | C.S. Croix | H.H. Dar | B. Liu | V.A. Tyurin | V.B. Ritov | A.A. Kapralov | A.A. Amoscato | J. Jiang | T. Antony muthu | D. Mohammadyani | Q. Yang | B. Proneth | J. Klein-Seetharaman | S. Watkins | I. Bahar | J. Greenberger | R.K. Mallampalli | **B.R. Stockwell** | Y.Y. Tyurina | M. Conrad | H. Bayir
[7]	Y. Li | J. Liu | Y. Chen | R.R. Weichselbaum | W. Lin
[8]	B. Geng | J. Hu | X. He | Z. Zhang | J. Cai | D. Pan | L. Shen
[9]	W.S. Yang | K.J. Kim | M.M. Gaschler | M. Patel | M.S. Shchepinov | **B.R. Stockwell**
[10]	W.S. Yang | R. Sri Ramaratnam | M.E. Welsch | K. Shimada | R. Skouta | V.S. Viswanathan | J.H. Cheah | P.A. Clemons | A.F. Shamji | C.B. Clish | L.M. Brown | A.W. Girotti | V.W. Cornish | S.L. Schreiber | **B.R. Stockwell**
[11]	S.J. Dixon | K.M. Lemberg | M.R. Lamprecht | R. Skouta | E.M. Zaitsev | C.E. Gleason | D.N. Patel | A.J. Bauer | A.M. Cantley | W.S. Yang | B. Morrison | **B.R. Stockwell**
[12]	P. Orning | D. Weng | K. Starheim | D. Ratner | Z. Best | B. Lee | A. Brooks | S. Xia | H. Wu | M.A. Kelliher | S.B. Berger | P.J. Gough | J. Bertin | M.M. Proulx | J.D. Goguen | N. Kayagaki | K.A. Fitzgerald | E. Lien
[13]	X. Zhang | J. Zhu | S. Wang | S. Li | J. E | J. Hu | R. MoLu | H. Ding | P. Yang | R. Xie
[14]	Y. Liu | G. Chen | X. You | X. Wang
[15]	Z. Wang | Y. Li | C. Wang | J. Lan | J. Li | G. Liu | Y. Chen | D. Yu | Z. Liu | F. Gao
[16]	W. Xu | A. Suo | A.J.M. Aldai | Y. Wang | J. Fan | Y. Xia | J. Xu | Z. Chen | H. Zhao | M. Zhang | J. Qian
[17]	W. Xu | Y. Wang | G. Hou | J. Wang | T. Wang | J. Qian | A. Suo
[18]	W. Zhang | Z. Chen | C. Xiong | L. Yuan | J.J. Hu | J. Dai | F. Xia | X. Lou
[19]	X. Chen | R. Kang | G. Kroemer | D. Tang
[20]	G. Lei | L. Zhuang | B. Gan
[21]	W. Wang | K. Lu | X. Jiang | Q. Wei | L. Zhu | X. Wang | H. Jin | L. Feng
[22]	G. Lei | L. Zhuang | B. Gan
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[24]	W. Xu | J. Qian | G. Hou | T. Wang | J. Wang | Y. Wang | L. Yang | X. Cui | A. Suo
[25]	Q. Li | Z. Wu | S. Chen | Y. Liang | K. Zhu | N. Su | T. Liu | B. Zhao
[26]	T. Su | G. Wu | P. Zhou | J. Wang | X. Zhu | L. Fan | H. Yan | G. Ma | Z. Liu | X. Wang | F. Gao
[27]	R. Cui | H. Zhang | V.X. Truong | L. Zhang | H.M. Hejab | L. Han | J. Hou | X. Zhang | A. Deletic | L. Jiang | G.P. Simon | H. Wang
[28]	I. Ab□nades L□zaro | X. Chen | M. Ding | A. Eskandari | D. Fairen-Jimenez | M. Gim□nez-Marqu□s | R. Gref | W. Lin | T. Luo | R.S. Forgan
[29]	P. Horcajada | R. Gref | T. Baati | P.K. Allan | G. Maurin | P. Couvreur | G. F□rey | R.E. Morris | C. Serre
[30]	D. Wang | D. Jana | Y. Zhao
[31]	J. Cai | Q. Shen | Y. Wu | J. Hu | D. Pan | Y. Wu | B. Geng
[32]	J.E. Cun | X. Fan | Q. Pan | W. Gao | K. Luo | B. He | Y. Pu
[33]	X. Li | Z. Ma | H. Wang | Q. Shi | Z. Xie | J. Yu
[34]	Y. Qian | C. Wang | R. Xu | J. Wang | Q. Chen | Z. Zhu | Q. Hu | Q. Shen | J.W. Shen
[35]	W. Huang | N. Yuan | H. Yang | Y. Shen | L. Guo | N. Zhong | T. Wu | Y. Shen | G. Chen | S. Huang | L. Niu | G. Ouyang
[36]	P. Gravi□n | S. Rojas | D.F. Picchi | F. Galisteo-Gonz□lez | P. Horcajada | J.A. Marchal
[37]	A. Wang | M. Walden | R. Ettlinger | F. Kiessling | J.J. Gassensmith | T. Lammers | S. Wuttke | Q. Peña
[38]	S.K. Alsaiari | S.S. Qutub | S. Sun | W. Baslyman | M. Aldehaiman | M. Alyami | A. Almalik | R. Halwani | J. Merzaban | Z. Mao | N.M. Khashab
[39]	P.H. Tong | L. Zhu | Y. Zang | J. Li | X.P. He | T.D. James
[40]	Q. Zheng | X. Liu | Y. Zheng | K.W.K. Yeung | Z. Cui | Y. Liang | Z. Li | S. Zhu | X. Wang | S. Wu
[41]	T. Feng | Z. Tang | J. Kanges | J. Shen | C. Lin | Y. Chen | Y. Pan | Y. He | L. Ji | H. Chao
[42]	X.K. Jin | S.M. Zhang | J.L. Liang | S.X. Zhang | Y.T. Qin | Q.X. Huang | C.J. Liu | **X.Z. Zhang**
[43]	W.L. Liu | M.Z. Zou | T. Liu | J.Y. Zeng | X. Li | W.Y. Yu | C.X. Li | J.J. Ye | W. Song | J. Feng | **X.Z. Zhang**
[44]	P. Ji | X.C. Deng | X.K. Jin | S.M. Zhang | J.W. Wang | J. Feng | W.H. Chen | **X.Z. Zhang**
[45]	P. Pan | X. Dong | Y. Chen | J.J. Ye | Y.X. Sun | **X.Z. Zhang**
[46]	W.L. Liu | M.Z. Zou | S.Y. Qin | Y.J. Cheng | Y.H. Ma | Y.X. Sun | **X.Z. Zhang**
[47]	W.L. Liu | M.Z. Zou | T. Liu | J.Y. Zeng | X. Li | W.Y. Yu | C.X. Li | J.J. Ye | W. Song | J. Feng | **X.Z. Zhang**
[48]	G.F. Luo | W.H. Chen | X. Zeng | **X.Z. Zhang**
[49]	J. Zhao | J. Ruan | G. Lv | Q. Shan | Z. Fan | H. Wang | Y. Du | L. Ling
[50]	B. Geng | J. Hu | Y. Li | S. Feng | D. Pan | L. Feng | L. Shen
[51]	N. Zhang | M. Li | X. Sun | H. Jia | W. Liu
[52]	X. Zhou | X. Liu | L. Huang
[53]	X.Y. Zhu | T.Y. Wang | H.R. Jia | F.G. Wu
[54]	C.E. Callmann | L.E. Cole | C.D. Kusmirek | Z. Huang | D. Horiuchi | C.A. Mirkin
[55]	Y. Ding | J. Yang | H. Wei | J. Wang | S. Huang | S. Yang | Y. Guo | B. Li | X. Shuai
[56]	G. Cui | Y. Sun | L. Qu | C. Shen | Y. Sun | F. Meng | Y. Zheng | Z. Zhong
[57]	J. Yang | K. Zhang | G. Zhang | P. Chen | X. Xu | M. Zhang | J. Mao | G. Zhao | C. Qi | K. Cai | G. Liu

We also note that five references (Ref 3, 6, 9, 10, 11) have a common author, B. R. Stockwell.

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