

[◀ Back to results](#) | 1 of 7 [Next >](#)
[Download](#) [Print](#) [Save to PDF](#) [Add to List](#) [Create bibliography](#)
Cancer Cell International • Open Access • Volume 23, Issue 1 • December 2023 • Article number 24

Document type
 Review • Gold Open Access •
 Green Open Access

Source type
 Journal

ISSN
 14752867

DOI
 10.1186/s12935-022-02837-y

[View more ▾](#)

The various role of microRNAs in breast cancer angiogenesis, with a special focus on novel miRNA-based delivery strategies



Update notice

Correction: The various role of microRNAs in breast cancer angiogenesis, with a special focus on novel miRNA-based delivery strategies (*Cancer Cell International*, (2023), 23, 1, (24), 10.1186/s12935-022-02837-y)

Cancer Cell International, Volume 23, Issue 1, December 2023, Article number 55

Yang, Min^a ; Zhang, Ying^a ; Li, Min^a ;

Liu, Xinglong^a ; Darvishi, Mohammad^b

^a College of Traditional Chinese Medicine, Jilin Agricultural Science and Technology University, Jilin, 132101, China

^b Infectious Diseases and Tropical Medicine Research Center (IDTMRC), Department of Aerospace and Subaquatic Medicine, AJA University of Medical Sciences, Tehran, Iran

2 88th percentile
Citations in Scopus

3.94
FWCI

[View all metrics >](#)

[View PDF](#)

[Full text options ▾](#)

[Export ▾](#)

Abstract

Author keywords

Reaxys Chemistry database information

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

Abstract

After skin malignancy, breast cancer is the most widely recognized cancer detected in women in the United States. Breast cancer (BCa) can happen in all kinds of people, but it's much more common in women. One in four cases of cancer and one in six deaths due to cancer are related to breast cancer. Angiogenesis is an essential factor in the growth of tumors and metastases in various malignancies. An expanded level of angiogenesis is related to diminished endurance in BCa patients. This function assumes a fundamental part inside the human body, from the beginning phases of life to dangerous malignancy. Various factors, referred to as angiogenic factors, work to make a new capillary. Expanding proof demonstrates that angiogenesis is managed by microRNAs (miRNAs), which are small non-coding RNA with 19–25 nucleotides. MiRNA is a post-transcriptional regulator of gene expression that controls many critical biological processes. Endothelial miRNAs, referred to as angiomiRs, are probably concerned with tumor improvement and angiogenesis via regulation of pro-and anti-angiogenic factors. In this article, we reviewed therapeutic functions of miRNAs in BCa angiogenesis, several novel delivery carriers for miRNA-based therapeutics, as well as CRISPR/Cas9 as a targeted therapy in breast cancer. © 2023 The Author(s).

Cited by 2 documents

Correction: The various role of microRNAs in breast cancer angiogenesis, with a special focus on novel miRNA-based delivery strategies (*Cancer Cell International*, (2023), 23, 1, (24), 10.1186/s12935-022-02837-y)

Yang, M. , Zhang, Y. , Li, M. (2023) *Cancer Cell International*

LINC00460 promotes angiogenesis by enhancing NF-κB-mediated VEGFA expression in cervical cancer cells

Li, F. , Zhu, W. (2023) *Biochemical and Biophysical Research Communications*

[View all 2 citing documents](#)

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

Related documents

Mesenchymal stem cell-released oncolytic virus: an innovative strategy for cancer treatment

Ghasemi Darestani, N. , Gilmanova, A.I. , Al-Gazally, M.E. (2023) *Cell Communication and Signaling*

The discovery of tumor angiogenesis factors: A historical overview

Ribatti, D. (2016) *Methods in Molecular Biology*

An Italian pioneer in the study of tumor angiogenesis

Ribatti, D. , Vacca, A. , Presta, M. (2001) *Haematologica*

[View all related documents based on references](#)

Find more related documents in Scopus based on:

[Authors >](#) [Keywords >](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

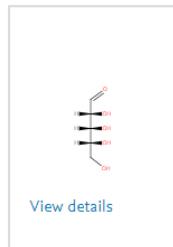
Funding details

Author keywords

angiomiRs; Breast cancer angiogenesis; microRNA-based therapy; microRNAs

Reaxys Chemistry database information ⓘ

Substances

[View all substances \(1\)](#)

Indexed keywords

Powered by Reaxys®

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

Indexed keywords

Sustainable Development Goals 2023 ⓘ New

SciVal Topics ⓘ

Metrics

Funding details

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

References (325)

[View in search results format >](#)
 All [Export](#) [Print](#) [E-mail](#) [Save to PDF](#) [Create bibliography](#)

- 1 Sancho-Garnier, H., Colonna, M.
[Breast cancer epidemiology](#)

(2019) *Presse Medicale*, 48 (10), pp. 1076-1084. Cited 66 times.
<http://www.elsevier.com/mapua.idm.oclc.org/journals/la-presse-mdicale/0755-4982>
doi: 10.1016/j.lpm.2019.09.022

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 2 Barba, D., León-Sosa, A., Lugo, P., Suquillo, D., Torres, F., Surre, F., Trojman, L., (...), Caicedo, A.

[Breast cancer, screening and diagnostic tools: All you need to know](#) ([Open Access](#))

(2021) *Critical Reviews in Oncology/Hematology*, 157, art. no. 103174. Cited 42 times.
www.elsevier.com/locate/critrevonc
doi: 10.1016/j.critrevonc.2020.103174

[View at Publisher](#)

- 3 Khalili, S.M., Ataei, P.J., Hazini, A., Nasiri, M., Kariman, N., Doulabi, M.A.
[Comparing the quality of life of women suffering from breast cancer receiving palliative care and ordinary care](#) ([Open Access](#))

(2020) *Immunopathologia Persa*, 6 (2), art. no. e22. Cited 2 times.
<http://immunopathol.com/Article/ipp-12175>
doi: 10.34172/ipp.2020.22

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

- Funding details**
- 4 Fouladi, N., Barahman, M., Amani, F., Bahadoram, M., Eghbali, S.
Factors associated with delayed diagnosis of breast cancer; a study in North-West of Iran
(2020) *Immunopathologia Persa*, 6 (1), art. no. 3166. Cited 10 times.
<http://immunopathol.com/Article/ipp-3166>
doi: 10.15171/ipp.2020.02
- Indexed keywords**
- Sustainable Development Goals 2023**
- 5 Anastasiadi, Z., Lianos, G.D., Ignatiadou, E., Harassis, H.V., Mitsis, M.
Breast cancer in young women: an overview
(2017) *Updates in Surgery*, 69 (3), pp. 313-317. Cited 359 times.
<http://www.springer.com/medicine/surgery/journal/13304>
doi: 10.1007/s13304-017-0424-1
- SciVal Topics**
- Metrics**
- Funding details**
- [View at Publisher](#)
-
- 6 Lee, H.-B., Han, W.
Unique features of young age breast cancer and its management
(2014) *Journal of Breast Cancer*, 17 (4), pp. 301-307. Cited 83 times.
<http://synapse.koreamed.org/Synapse/Data/PDFData/0096JBC/jbc-17-301.pdf>
doi: 10.4048/jbc.2014.17.4.301
- Indexed keywords**
- Sustainable Development Goals 2023**
- SciVal Topics**
- Metrics**
- Funding details**
- [View at Publisher](#)
-
- 7 Alimirzaie, S., Bagherzadeh, M., Akbari, M.R.
Liquid biopsy in breast cancer: A comprehensive review
(2019) *Clinical Genetics*, 95 (6), pp. 643-660. Cited 167 times.
[http://onlinelibrary.wiley.com.mapua.idm.oclc.org/journal/10.1111/\(ISSN\)1399-0004](http://onlinelibrary.wiley.com.mapua.idm.oclc.org/journal/10.1111/(ISSN)1399-0004)
doi: 10.1111/cge.13514
- [View at Publisher](#)
-
- 8 Sadr, Z., Moghaddam, M.J., Rouhani, H.S., Sani'ee, N., Abhari, M.B.
Study of family medicine role in breast cancer prevention a systematic review
(2021) *J Prevent Epidemiol*, 6 (2), p. 32. Cited 2 times.
- Indexed keywords**
- Sustainable Development Goals 2023**
- SciVal Topics**
- Metrics**
- Funding details**
- [View at Publisher](#)
-
- 9 Alkabban, F.M., Ferguson, T.
Cancer
(2018) *Breast*
-
- 10 Barahman, M., Bahadoram, M., Mahmoudian-Sani, M.
Frequency of triple negative breast cancer in referrals patients to an oncology radiotherapy section
(2021) *J Prev Epidemiol*, 6 (1). Cited 2 times.
- Indexed keywords**
- Sustainable Development Goals 2023**
- 11 Barzaman, K., Karami, J., Zarei, Z., Hosseinzadeh, A., Kazemi, M.H., Moradi-Kalbolandi, S., Safari, E., (...), Farahmand, L.
Breast cancer: Biology, biomarkers, and treatments
(2020) *International Immunopharmacology*, 84, art. no. 106535. Cited 178 times.
www.elsevier.com/locate/intimp
doi: 10.1016/j.intimp.2020.106535
- [View at Publisher](#)
-
- 12 Ribatti, D., Vacca, A.
The role of microenvironment in tumor angiogenesis
- Indexed keywords**

Indexed keywords

Sustainable Development
Goals 2023

(2008) *Genes and Nutrition*, 3 (1), pp. 29-34. Cited 51 times.
doi: 10.1007/s12263-008-0076-3

[View at Publisher](#)

SciVal Topics

Metrics

Funding details

13 Tonini, T., Rossi, F., Claudio, P.P.

Molecular basis of angiogenesis and cancer

(2003) *Oncogene*, 22 (43), pp. 6549-6556. Cited 275 times.
<http://www.nature.com/mapua.idm.oclc.org/onc/index.html>
doi: 10.1038/sj.onc.1206816

[View at Publisher](#)

Indexed keywords

Sustainable Development
Goals 2023

14 Ghasemi, R., Ghasemi, N.

(2016) *Diet and Asthma: Nutrition Implications Aimed at Prevention*

SciVal Topics

Metrics

Funding details

15 Prager, G.W., Poettler, M., Unseld, M., Zielinski, C.C.

Angiogenesis in cancer: Anti-VEGF escape mechanisms

(2012) *Translational Lung Cancer Research*, 1 (1), pp. 14-25. Cited 79 times.
<http://tlcr.amegroups.com/article/download/272/569>
doi: 10.3978/j.issn.2218-6751.2011.11.02

[View at Publisher](#)

16 Banerjee, S., Dowsett, M., Ashworth, A., Martin, L.-A.

Mechanisms of Disease: Angiogenesis and the management of breast cancer

(2007) *Nature Clinical Practice Oncology*, 4 (9), pp. 536-550. Cited 116 times.
doi: 10.1038/ncponc0905

[View at Publisher](#)

Indexed keywords

Sustainable Development
Goals 2023

17 Jafari, M., Dadras, F., Ghadimipour, H.R., Seif Rabiei, M.A., Khoshjou, F.

Tempol effect on epithelial-mesenchymal transition induced by hyperglycemia

(2017) *Journal of Nephropathology*, 6 (1), pp. 1-4. Cited 9 times.
<http://www.nephropathol.com/PDF/JNP-6-1.pdf>
doi: 10.15171/jnp.2017.01

[View at Publisher](#)

Indexed keywords

Sustainable Development
Goals 2023

18 Seif, F., Kheirollah, A., Babaahmadi-Rezaei, H.

Efficient isolation and identification of primary endothelial cells from bovine aorta by collagenase P

(2020) *Immunopathologia Persa*, 6 (2), art. no. e15. Cited 6 times.
<http://immunopathol.com/Article/ipp-9161>
doi: 10.34172/ipp.2020.15

[View at Publisher](#)

19 Egginton, S., Zhou, A.-L., Brown, M.D., Hudlická, O.

The role of pericytes in controlling angiogenesis in vivo

(2000) *Advances in Experimental Medicine and Biology*, 476, pp. 81-99. Cited 41 times.
<http://www.springer.com/series/5584>
doi: 10.1007/978-1-4615-4221-6_7

[View at Publisher](#)

Indexed keywords

Sustainable Development
Goals 2023

20 Dadras, F., Sheikh, V., Khoshjou, F.

Epithelial and endothelial mesenchymal transition and their role in diabetic kidney disease

SciVal Topics

Metrics

Funding details

diabetic kidney disease

(2018) *Journal of Renal Injury Prevention*, 7 (1), pp. 1-6. Cited 5 times.
<http://journalrip.com/PDF/jrip-7-1.pdf?t=636554050001709230>
doi: 10.15171/jrip.2018.01

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 21 Wahl, M.L., Moser, T.L., Pizzo, S.V.
Angiostatin and anti-angiogenic therapy in human disease

(2004) *Recent Progress in Hormone Research*, 59, pp. 73-104. Cited 45 times.
doi: 10.1210/rp.59.1.73

[View at Publisher](#)

- 22 Bartel, D.P.
MicroRNAs: Target Recognition and Regulatory Functions

(2009) *Cell*, 136 (2), pp. 215-233. Cited 16194 times.
doi: 10.1016/j.cell.2009.01.002

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 23 Zhao, Z., Sun, W., Guo, Z., Zhang, J., Yu, H., Liu, B.
Mechanisms of lncRNA/microRNA interactions in angiogenesis

(2020) *Life Sciences*, 254, art. no. 116900. Cited 152 times.
www.elsevier.com/locate/lifescie
doi: 10.1016/j.lfs.2019.116900

[View at Publisher](#)

- 24 Aliyari-Serej, Z., Ebrahimi, A., Kazemi, T., Najafi, S., Roshani, E., Ebrahimi-Kalan, M., Baradaran, B.
Relation between Immune cell response and stemness genes expression in breast cancer: A new approach in NANOG gene and Let7-a expression in breast cancer cell lines

(2020) *Immunopathologia Persa*, 6 (2), art. no. e21. Cited 6 times.
<http://immunopathol.com/Article/ipp-12174>
doi: 10.34172/ipp.2020.21

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 25 Kontomanolis, E.N., Kalagashidou, S., Fasoulakis, Z.
MicroRNAs as potential serum biomarkers for early detection of ectopic pregnancy

(2018) *Cureus*. Cited 14 times.

- 26 Ladomery, M.R., Maddocks, D.G., Wilson, I.D.
MicroRNAs: Their discovery, biogenesis, function and potential use as biomarkers in non-invasive prenatal diagnostics

(2011) *International Journal of Molecular Epidemiology and Genetics*, 2 (3), pp. 253-260. Cited 32 times.
<http://www.ijmeg.org/files/IJMEG1103004.pdf>

- 27 Tanzer, A., Stadler, P.F.
Molecular evolution of a microRNA cluster

(2004) *Journal of Molecular Biology*, 339 (2), pp. 327-335. Cited 495 times.
<https://www.journals.elsevier.com/journal-of-molecular-biology>
doi: 10.1016/j.jmb.2004.03.065

[View at Publisher](#)

Indexed keywords

- 28 Ambros, V., Bartel, B., Bartel, D.P., Burge, C.B., Carrington, J.C., Chen, X., Dreyfuss, G., (...), Tuschl, T.

Sustainable Development
Goals 2023

SciVal Topics

Metrics

Funding details

A uniform system for microRNA annotation (Open Access)

(2003) *RNA*, 9 (3), pp. 277-279. Cited 1447 times.
doi: 10.1261/rna.2183803

[View at Publisher](#)

- 29 Wang, W., Zhang, E., Lin, C.
MicroRNAs in tumor angiogenesis

(2015) *Life Sciences*, 136, pp. 28-35. Cited 71 times.
www.elsevier.com/locate/lifescie
doi: 10.1016/j.lfs.2015.06.025

[View at Publisher](#)

Indexed keywords

Sustainable Development
Goals 2023

SciVal Topics

Metrics

Funding details

- 30 Emmanuel, K.N., Zacharias, F., Valentinos, P., Sofia, K., Georgios, D., Nikolaos, K.J.

The Impact of microRNAs in Breast Cancer Angiogenesis and Progression

(2019) *MicroRNA (Shariqah, United Arab Emirates)*, 8 (2), pp. 101-109. Cited 14 times.
doi: 10.2174/221153660766181017122921

[View at Publisher](#)

- 31 Jamali, S., Marcella, C., Prakash, P., Moradkhani, A., Kasraei, E.

Prevalence of malignancy and chronic obstructive pulmonary disease among patients with COVID-19: a systematic review and meta-analysis
(2020) *Int J Sci Res Dental Med Sci*, 2 (2), pp. 52-58. Cited 11 times.
COI: 1:CAS:528:DC%2BB3MXitValt7nF

Indexed keywords

Sustainable Development
Goals 2023

SciVal Topics

Metrics

Funding details

- 32 Hammoud, A., Sharay, E.Y., Tikhomirov, A.N.

Newtonian and non-Newtonian pulsatile flows through carotid artery bifurcation based on CT image geometry

(2019) *AIP Conference Proceedings*, 2171, art. no. 110022. Cited 6 times.
<http://scitation.aip.org.mapua.idm.oclc.org/content/aip/proceeding/aipcp>
ISBN: 978-073541918-6
doi: 10.1063/1.5133256

[View at Publisher](#)

Indexed keywords

Sustainable Development
Goals 2023

SciVal Topics

Metrics

Funding details

- 33 Goldmann, E.

THE GROWTH OF MALIGNANT DISEASE IN MAN AND THE LOWER ANIMALS,, WITH SPECIAL REFERENCE TO THE VASCULAR SYSTEM

(1907) *The Lancet*, 170 (4392), pp. 1236-1240. Cited 108 times.
doi: 10.1016/S0140-6736(01)65002-5

[View at Publisher](#)

- 34 Ramezani, G., Norouzi, A., Moradi, E., Pourbairamian, G., Aalaa, M., Alizadeh, S., Sohrabi, Z.

Comparing peer education with TBL workshop in (EBM) teaching

(2020) *Medical Journal of the Islamic Republic of Iran*, 34 (1), pp. 1-5. Cited 3 times.
<http://mjiri.iums.ac.ir/>
doi: 10.47176/MJIRI.34.70

[View at Publisher](#)

Indexed keywords

Sustainable Development
Goals 2023

SciVal Topics

Metrics

Funding details

- 35 Lenzi, P., Bocci, G., Natale, G.

(2016) John Hunter and the Origin of the Term Angiogenesis

- 36 Ide, A.
Vascularization of the brown-pearce rabbit epithelioma transplant as seen in the transparent ear chamber
(1939) *Am J Roentg*, 42, p. 891. Cited 205 times.

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 37 Algire, G.H., Chalkley, H.W., Legallais, F.Y., Park, H.D.
Vasculae reactions of normal and malignant tissues in vivo. i.
vascular reactions of mice to wounds and to normal and neoplastic transplants
(1945) *Journal of the National Cancer Institute*, 6 (1), pp. 73-85. Cited 404 times.
doi: 10.1093/jnci/6.1.73
[View at Publisher](#)

- 38 Ehrmann, R.L., Knoth, M.
Choriocarcinoma: Transfilter stimulation of vasoproliferation in the hamster cheek pouch—studied by light and electron microscopy
(1968) *Journal of the National Cancer Institute*, 41 (6), pp. 1329-1341. Cited 112 times.
doi: 10.1093/jnci/41.6.1329
[View at Publisher](#)
- 39 Gimbrone, M.A., Gullino, P.M.
Neovascularization Induced by Intraocular Xenografts of Normal, Preneoplastic, and Neoplastic Mouse mammary Tissues
(1976) *Journal of the National Cancer Institute*, 56 (2), pp. 275-278. Cited 79 times.
doi: 10.1093/jnci/56.2.305
[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 40 Ramezani, G., Zarezadeh, Y., Sohrabi, Z.
Elaboration of indices of the Third Generation of the universities of medical sciences: Status quo assessment of Iran University of Medical Sciences ([Open Access](#))
(2021) *Journal of Education and Health Promotion*, 10 (1), art. no. 255. Cited 5 times.
www.jehp.net
doi: 10.4103/jehp.jehp_1462_20
[View at Publisher](#)

- 41 Folkman, J.
(2008) *History of Angiogenesis Angiogenesis*, pp. 1-14. Cited 2 times.
Springer

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 42 Shing, Y., Folkman, J., Haudenschild, C., Lund, D., Crum, R., Klagsbrun, M.
Angiogenesis is stimulated by a tumor-derived endothelial cell growth factor ([Open Access](#))
(1985) *Journal of Cellular Biochemistry*, 29 (4), pp. 275-287. Cited 164 times.
doi: 10.1002/jcb.240290402
[View at Publisher](#)

- 43 Gospodarowicz, D.
Purification of a fibroblast growth factor from bovine pituitary ([Open Access](#))
(1975) *Journal of Biological Chemistry*, 250 (7), pp. 2515-2520. Cited 407 times.

Indexed keywords

Sustainable Development Goals 2023

[View at Publisher](#)

SciVal Topics

Metrics

Funding details

- 44 Rosenthal, R.A., Megyesi, J.F., Henzel, W.J., Ferrara, N., Folkman, J. **Conditioned medium from mouse sarcoma 180 cells contains vascular endothelial growth factor** ([Open Access](#))
(1990) *Growth Factors*, 4 (1), pp. 53-59. Cited 80 times.
doi: 10.3109/08977199009011010

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 45 Śniegocki, M., Siedlecki, Z., Nowak, K., Grzyb, S. **Historical overview of cancer angiogenesis studies in the aspect of brain tumors pathophysiology and therapy**
(2021) *Europ J Mol Clin Med*, 7 (10), pp. 3221-3227.

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 47 Lugano, R., Ramachandran, M., Dimberg, A. **Tumor angiogenesis: causes, consequences, challenges and opportunities** ([Open Access](#))
(2020) *Cellular and Molecular Life Sciences*, 77 (9), pp. 1745-1770. Cited 639 times.
<http://link.springer.de/link/service/journals/00018/index.htm>
doi: 10.1007/s00018-019-03351-7

[View at Publisher](#)

- 48 Hammoud, A., Tikhomirov, A., Myasishcheva, G., Shaheen, Z., Volkov, A., Briko, A., Shchukin, S. **Multi-channel bioimpedance system for detecting vascular tone in human limbs: An approach** ([Open Access](#))
(2022) *Sensors*, 22 (1), art. no. 138. Cited 9 times.
<https://www.mdpi.com/1424-8220/22/1/138/pdf>
doi: 10.3390/s22010138

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 49 Zehentmayr, F., Hauser-Kronberger, C., Zellinger, B., Hlubek, F., Schuster, C., Bodenhofer, U., Fastner, G., (...), Sedlmayer, F. **Hsa-miR-375 is a predictor of local control in early stage breast cancer** ([Open Access](#))
(2016) *Clinical Epigenetics*, 8 (1), art. no. 28. Cited 40 times.
<http://www.springer.com/biomed/human+genetics/journal/13148>
doi: 10.1186/s13148-016-0198-1

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 50 Khosravian, M., Momenzadeh, M., Koosha, F., Alimohammadi, N., Kianpour, N. **(2022) Lung Cancer Risk and the Inhibitors of Angiotensin Converting Enzyme; an Updated Review on Recent Evidence**
- 51 Lou, J.-S., Zhao, L.-P., Huang, Z.-H., Chen, X.-Y., Xu, J.-T., TAI, W.C.-S., Tsim, K.W.K., (...), Xie, T. **Ginkgetin derived from Ginkgo biloba leaves enhances the therapeutic effect of cisplatin via ferroptosis-mediated disruption of the Nrf2/HO-1 axis in EGFR wild-type non-small-cell lung cancer** ([Open Access](#))

(2021) *Phytomedicine*, 80, art. no. 153370. Cited 99 times.

www.urbanfischer.de/journals/phytomed

doi: 10.1016/j.phymed.2020.153370

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 52 Madu, C.O., Wang, S., Madu, C.O., Lu, Y.
Angiogenesis in breast cancer progression, diagnosis, and treatment ([Open Access](#))

(2020) *Journal of Cancer*, 11 (15), pp. 4474-4494. Cited 90 times.
<http://www.jcancer.org/>
doi: 10.7150/jca.44313

[View at Publisher](#)

- 53 Barron, G.A., Goua, M., Wahle, K.W.J., Bermano, G.
Circulating levels of angiogenesis-related growth factors in breast cancer: A study to profile proteins responsible for tubule formation ([Open Access](#))

(2017) *Oncology Reports*, 38 (3), pp. 1886-1894. Cited 19 times.
<https://www.spandidos-publications.com/or/38/3/1886/download>
doi: 10.3892/or.2017.5803

[View at Publisher](#)

Funding details

- 54 Hanahan, D., Folkman, J.
Patterns and emerging mechanisms of the angiogenic switch during tumorigenesis

(1996) *Cell*, 86 (3), pp. 353-364. Cited 6140 times.
www.cell.com
doi: 10.1016/S0027-8674(00)80108-7

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 55 Darakhshandeh, A., Momenzadeh, M.
Cachexia and anorexia in cancer; a systematic review

(2021) *Immunopathologia Persa*, 7 (2), art. no. e20. Cited 3 times.
<http://immunopathol.com/Article/ipp-16211>
doi: 10.34172/ipp.2021.20

[View at Publisher](#)

- 56 Mao, G., Zhang, Z., Hu, S., Zhang, Z., Chang, Z., Huang, Z., Liao, W., (...), Kang, Y.
Exosomes derived from miR-92a-3poverexpressing human mesenchymal stem cells enhance chondrogenesis and suppress cartilage degradation via targeting WNT5A ([Open Access](#))

(2018) *Stem Cell Research and Therapy*, 9 (1), art. no. 247. Cited 247 times.
<http://stemcellres.com>
doi: 10.1186/s13287-018-1004-0

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 57 Qin, X., Ban, Y., Wu, P., Yang, B., Liu, S., Yin, L., Liu, M., (...), Zheng, W.
Improved Image Fusion Method Based on Sparse Decomposition

(2022) *Electronics (Switzerland)*, 11 (15), art. no. 2321. Cited 39 times.
www.mdpi.com/journal/electronics
doi: 10.3390/electronics11152321

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

- 58 Papetti, M., Herman, I.M.
Mechanisms of normal and tumor-derived angiogenesis ([Open Access](#))

SciVal topics

Metrics

Funding details

(2002) *American Journal of Physiology - Cell Physiology*, 282 (5 51-5), pp. C947-C970. Cited 649 times.
<https://www.physiology.org/toc/ajpcell/current>
doi: 10.1152/ajpcell.00389.2001

[View at Publisher](#)

-
- 59 Singh, R.K., Gutman, M., Bucana, C.D., Sanchez, R., Llansa, N., Fidler, I.J.
Interferons α and β down-regulate the expression of basic fibroblast growth factor in human carcinomas

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

(1995) *Proceedings of the National Academy of Sciences of the United States of America*, 92 (10), pp. 4562-4566. Cited 422 times.
www.pnas.org
doi: 10.1073/pnas.92.10.4562

[View at Publisher](#)

-
- 60 Dinita Devi, N., Chyrmang, D., Baidya, K., Devi, Y.S.
Askin tumor: a case report of a rare tumor
(2021) *Int J Sci Res Dental Med Sci*, 3 (3), pp. 153-155. Cited 9 times.

-
- 61 Goussia, A., Simou, N., Zagouri, F., Manousou, K., Lazaridis, G., Gogas, H., Koutras, A., (...), Batistatou, A.

Associations of angiogenesis-related proteins with specific prognostic factors, breast cancer subtypes and survival outcome in early-stage breast cancer patients. A Hellenic Cooperative Oncology Group (HeCOG) trial (Open Access)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

(2018) *PLoS ONE*, 13 (7), art. no. e0200302. Cited 20 times.
<http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0200302&type=printable>
doi: 10.1371/journal.pone.0200302

[View at Publisher](#)

-
- 62 Harris, A.L.
Hypoxia - A key regulatory factor in tumour growth

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

(2002) *Nature Reviews Cancer*, 2 (1), pp. 38-47. Cited 4356 times.
<http://www.nature.com/mapua.idm.oclc.org/cancer/>
doi: 10.1038/nrc704

[View at Publisher](#)

-
- 63 Semenza, G.L.
HIF-1 and tumor progression: Pathophysiology and therapeutics

(2002) *Trends in Molecular Medicine*, 8 (4 SUPPL.), pp. S62-S67. Cited 940 times.
doi: 10.1016/S1471-4914(02)02317-1

[View at Publisher](#)

-
- 64 Mosaddad, S.A., Salari, Y., Amookhteh, S., Soufdoost, R.S., Seifalian, A., Bonakdar, S., Safaeinejad, F., (...), Tebyanian, H.

Response to mechanical cues by interplay of YAP/TAZ transcription factors and key mechanical checkpoints of the cell: A comprehensive review (Open Access)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

(2021) *Cellular Physiology and Biochemistry*, 55 (1), pp. 33-60. Cited 9 times.
<https://www.cellphysiolbiochem.com/Articles/000325/>
doi: 10.33594/000000325

[View at Publisher](#)

-
- 65 Ardalan, M.
Parathyroid carcinoma; an updated mini-review on current trends
(2016) *Journal of Parathyroid Disease*, 4 (2), pp. 57-59. Cited 5 times.

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 66 Amri, A., Soltanian, A.R., Borzouei, S. Survival rates and prognostic factors of thyroid cancer: a retrospective cohort study (2022) *J Parathyroid Dis*, 10. Cited 3 times.
- 67 Ghafari, M., Taheri, Z., Hajivandi, A., Amiri, M. Parathyroid carcinoma; facts and views (2015) *J Parathyroid Dis*, 3 (2), pp. 37-40. Cited 4 times.

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 68 Joukov, V., Pajusola, K., Kaipainen, A., Chilov, D., Lahtinen, I., Kukk, E., Saksela, O., (...), Alitalo, K. A novel vascular endothelial growth factor, VEGF-C, is a ligand for the Flt4 (VEGFR-3) and KDR (VEGFR-2) receptor tyrosine kinases (Open Access) (1996) *EMBO Journal*, 15 (2), pp. 290-298. Cited 1164 times. <http://emboj.embopress.org/> doi: 10.1002/j.1460-2075.1996.tb00359.x
- 69 Dharwadkar, A., Paul, B., Buch, A., Agarwal, N., Naik, M., Gore, C. Cytological study of salivary gland lesions along with histopathological correlation in a tertiary care centre (2022) *Int J Sci Res Dental Med Sci*, 4 (3), pp. 101-109. Cited 3 times.

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 70 Chelouche-Lev, D., Miller, C.P., Tellez, C., Ruiz, M., Bar-Eli, M., Price, J.E. Different signalling pathways regulate VEGF and IL-8 expression in breast cancer: Implications for therapy (Open Access) (2004) *European Journal of Cancer*, 40 (16), pp. 2509-2518. Cited 52 times. doi: 10.1016/j.ejca.2004.05.024
- 71 Lin, Y., Huang, R., Chen, L., Li, S., Shi, Q., Jordan, C., Huang, R.-P. Identification of interleukin-8 as estrogen receptor-regulated factor involved in breast cancer invasion and angiogenesis by protein arrays (Open Access) (2004) *International Journal of Cancer*, 109 (4), pp. 507-515. Cited 189 times. doi: 10.1002/ijc.11724

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

- 72 Linardou, H., Kalogerias, K.T., Kronenwett, R., Kouvatseas, G., Wirtz, R.M., Zagouri, F., Gogas, H., (...), Fountzilas, G. The prognostic and predictive value of mRNA expression of vascular endothelial growth factor family members in breast cancer: A study in primary tumors of high-risk early breast cancer patients participating in a randomized Hellenic Cooperative Oncology Group trial (2012) *Breast Cancer Research*, 14 (6), art. no. R145. Cited 30 times. <http://breast-cancer-research.com/content/14/6/R145> doi: 10.1186/bcr3354

Indexed keywords

- 73 George, M.L., Tutton, M.G., Janssen, F., Arnaoutz, A., Abulafi, A.M., Eccles, S.A., Swift, R.I. VEGF-A, VEGF-C, and VEGF-D in colorectal cancer progression

Metrics

Funding details

(2001) *Neoplasia*, 3 (5), pp. 420-427. Cited 195 times.
<http://www.journals.elsevier.com/neoplasia/>
doi: 10.1038/sj.neo.7900186

[View at Publisher](#)

-
- 74 Linderholm, B.K., Hellborg, H., Johansson, U., Elmberger, G., Skoog, L., Lehtio, J., Lewensohn, R.

Significantly higher levels of vascular endothelial growth factor (VEGF) and shorter survival times for patients with primary operable triple-negative breast cancer

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

(2009) *Annals of Oncology*, 20 (10), pp. 1639-1646. Cited 272 times.
<https://www.journals.elsevier.com/annals-of-oncology>
doi: 10.1093/annonc/mdp062

[View at Publisher](#)

-
- 75 Li, A., Dubey, S., Varney, M.L., Dave, B.J., Singh, R.K.

IL-8 directly enhanced endothelial cell survival, proliferation, and matrix metalloproteinases production and regulated angiogenesis (Open Access)

(2003) *Journal of Immunology*, 170 (6), pp. 3369-3376. Cited 1064 times.
<http://www.jimmunol.org/>
doi: 10.4049/jimmunol.170.6.3369

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

-
- 76 Martin, D., Galisteo, R., Gutkind, J.S.

CXCL8/IL8 stimulates vascular endothelial growth factor (VEGF) expression and the autocrine activation of VEGFR2 in endothelial cells by activating NFkB through the CBM (Carma3/Bcl10/Malt1) complex (Open Access)

(2009) *Journal of Biological Chemistry*, 284 (10), pp. 6038-6042. Cited 312 times.
<http://www.jbc.org/cgi/reprint/284/10/6038>
doi: 10.1074/jbc.C800207200

[View at Publisher](#)

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

-
- 77 Hedges, J.C., Singer, C.A., Gerthoffer, W.T.

Mitogen-activated protein kinases regulate cytokine gene expression in human airway myocytes

(2000) *American Journal of Respiratory Cell and Molecular Biology*, 23 (1), pp. 86-94. Cited 141 times.
<http://www.atsjournals.org/journal/ajrcmb>
doi: 10.1165/ajrcmb.23.1.4014

[View at Publisher](#)

-
- 78 Shahzad, A., Knapp, M., Lang, I., Kohler, G.

Interleukin 8 (IL-8)-a universal biomarker?

(2010) *International Archives of Medicine*, 3 (1), art. no. 11. Cited 85 times.
doi: 10.1186/1755-7682-3-11

Indexed keywords

Sustainable Development Goals 2023

SciVal Topics

Metrics

Funding details

-
- 79 Cobbs, C.

Cytomegalovirus is a tumor-associated virus: armed and dangerous

(2019) *Current Opinion in Virology*, 39, pp. 49-59. Cited 25 times.
http://www.elsevier.com.mapua.idm.oclc.org/wps/find/journaldescription.cws_home/724700/description#description
doi: 10.1016/j.coviro.2019.08.003

[View at Publisher](#)

Indexed keywords	<input type="checkbox"/> 80 Daei Sorkhabi, A., Sarkesh, A., Saeedi, H., Marofi, F., Ghaebi, M., Silvestris, N., Baradaran, B., (...), Brunetti, O.
Sustainable Development Goals 2023	The Basis and Advances in Clinical Application of Cytomegalovirus-Specific Cytotoxic T Cell Immunotherapy for Glioblastoma Multiforme
SciVal Topics	(2022) <i>Frontiers in Oncology</i> , 12, art. no. 818447. Cited 7 times. http://www.frontiersin.org/Oncology/about doi: 10.3389/fonc.2022.818447
Metrics	
Funding details	View at Publisher

✉ Yang, M.; College of Traditional Chinese Medicine, Jilin Agricultural Science and Technology University, Jilin, China; email:yangmin7426@126.com

✉ Darvishi, M.; Infectious Diseases and Tropical Medicine Research Center (IDTMRC), Department of Aerospace and Subaquatic Medicine, AJA University of Medical Sciences, Tehran, Iran; email:darvishi1349@gmail.com

© Copyright 2023 Elsevier B.V, All rights reserved.

Indexed keywords

Sustainable Development Goals 2023

[Back to results](#) | 1 of 7 [Next](#) [SciVal Topics](#)

[^ Top of page](#)

Metrics

Funding details

About Scopus

[What is Scopus](#) [Indexed keywords](#)

[Content coverage](#) Sustainable Development
[Scopus blog](#) Goals 2023

[Scopus API](#) SciVal Topics
[Privacy matters](#)

Metrics

Funding details

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions](#) [Privacy policy](#)

Copyright © Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the [use of cookies](#).

 RELX