

## Yihai Cao Publication List

### Web of Science Citation reports (on the day of 2010-08-31)

Results found: **140**

Sum of the times cited: **10474**

Average citations per item: **74.81**

**h-index: 52**

### Peer-reviewed original research articles

1. Hosaka K, Yang Y, Li X, Xue Y, and Cao Y\* (2010) PDGF-B-mediated pericyte-fibroblast transition promotes metastasis and contributes to evasive resistance to antiangiogenic therapy in mice, Submitted.
2. Rouhi P, Jensen D, Cao Z, Hosaka K, Länne T, Steffensen J, Wahlberg E and Cao Y. (2010) Hypoxia-metastasis model in zebrafish. **Nature Protocols**, in press.
3. Cao R and Cao Y (2010) Cancer-associated retinopathy: A new mechanistic insight on vascular remodeling. **Cell Cycle**, May 10;9(10)..
4. Cao Z, Jensen D, Rouhi P, Hosaka K, Länne T, Steffensen J, Wahlberg E and Cao Y. (2010) Hypoxia-induced retinopathy model in adult zebrafish. **Nature Protocols**, in press.
5. Hou X, Kumar A, Lee C, Wang B, Arjunan P, Dong L, Maminishkis A, Tang Z, Li Y, Zhang F, Zhang-S-Z, Wardega P, Chakrabarty S, Liu B, Wu Z, Colosi P, Fariss RN, Lennartsson J, Nussenblatt R, Gutkind S, Cao Y and Li X (2010) PDGF-CC blockades inhibit pathological angiogenesis by acting on multiple cellular and molecular targets. **Proc Natl Acad Sci U S A.**, Jul 6;107(27):12216-21. Epub 2010 Jun 21.
6. Zhang Y, Zhao YX, Zhang YH, Zhu L, Deng BP, Li Z, Shu Z, Ying L, Lu X, SongLL, Lei XM, Tang WB, Wang N, Ming C, Song HD, Liu CX, Bo D, Zhang Y and Cao Y (2010) Angiotensin-converting enzyme 2 attenuates atherosclerotic lesions by targeting vascular cells. **Proc Natl Acad Sci U S A.**, Aug 23. [Epub ahead of print].
7. Xue Y, Chen F, Zhang D, Lim S and Cao Y. (2009) Tumor-derived VEGF modulates hematopoiesis. **J. Angiogenesis Res.** 23;1:9..
8. Rouhi P, Lee SLC, Hedlund E-M, Jensen LD and Cao Y. (2010) Pathological angiogenesis facilitates tumor cell dissemination and metastasis. **Cell Cycle**, Mar 6;9(5). [Epub ahead of print].

9. Xue Y, Lim S, Bråkenhielm E and Cao Y. (2010) Adipose angiogenesis: Quantitative methods to study microvessel growth, regression and remodeling in vivo. **Nature Protocols**, 5, 912-920.
10. Cao R, Xue Y, Hedlund E-M, Zhong Z, Tritsarlis K, Tondellic B, Lucchini F, Zhu Z, Dissing S and Cao Y. (2010). VEGFR-1-mediated pericyte ablation links VEGF and PlGF to cancer-associated retinopathy. **Proc Natl Acad Sci U S A.**, 107, 856–861.
11. Tang Z, Arjunan P, Lee C, Li Y, Kumar A, Hou X, Wang B, Wardega P, Zhang F, Dong L, Zhang Y, Zhang S-Z, Ding H, Becker K-G, Lennartsson L, Nagai N, Cao Y and Li X. (2010) Survival effect of PDGF-CC rescues neurons from apoptosis in both brain and retina by regulating GSK3 $\beta$  phosphorylation, **J. Exp. Med.**, 207(4):867-80
12. Lee SL, Rouhi P, Jensen LD, Zhang D, Ji H, Hauptmann G, Ingham P, Cao Y. (2009) Hypoxia-induced pathological angiogenesis mediates tumor cell dissemination, invasion, and metastasis in a zebrafish tumor model. **Proc Natl Acad Sci U S A.** 106(43):18408-13.
13. Dahl Ejby Jensen L, Cao R, Hedlund EM, Söll I, Lundberg JO, Hauptmann G, Steffensen JF, Cao Y. (2009) Nitric oxide permits hypoxia-induced lymphatic perfusion by controlling arterial-lymphatic conduits in zebrafish and glass catfish. **Proc Natl Acad Sci U S A.** 106(43):18408-13.
14. Hedlund EM, Hosaka K, Zhong Z, Cao R, Cao Y. (2009) Malignant cell-derived PlGF promotes normalization and remodeling of the tumor vasculature. **Proc Natl Acad Sci U S A.** 106(41):17505-10.
15. Zhang, F., Tang, Z., Hou, X., Lennartsson, J., Li, Y., Koch, A., Scotney, P., Lee, C., Arjuna, P., Dong, L., Rissanen, T., Nagai, N., Fons, P., Fariss, F., Zhang, Y., Wawrousek, E., Tansey, G., Raber, J., Fong, G, Ding, H., Greenberg, D., Becker, K., Herbert, J-M., Nash, A., Yla-Herttuala, S., Cao, Y., Watts, R., and Li, X. (2009) VEGF-B is dispensable for blood vessel growth but critical for their survival and VEGF-B targeting inhibits pathological angiogenesis. **Proc Natl Acad Sci U S A.** 2009 Apr 14;106(15):6152-7.
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