

# Mingzhou Guo

## List of Publications by Year in descending order

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107  
papers

5,002  
citations

108046

37  
h-index

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111  
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111  
docs citations

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times ranked

7616  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | DNA Methylation Markers and Early Recurrence in Stage I Lung Cancer. <i>New England Journal of Medicine</i> , 2008, 358, 1118-1128.  | 13.9 | 546       |
| 2  | Recurrently deregulated lncRNAs in hepatocellular carcinoma. <i>Nature Communications</i> , 2017, 8, 14421.  | 5.8  | 279       |
| 3  | Promoter Hypermethylation of Resected Bronchial Margins. <i>Clinical Cancer Research</i> , 2004, 10, 5131-5136.  | 3.2  | 156       |
| 4  | Molecular progression of promoter methylation in intraductal papillary mucinous neoplasms (IPMN) of the pancreas. <i>Carcinogenesis</i> , 2003, 24, 193-198.   | 1.3  | 146       |
| 5  | Epigenetic heterogeneity in cancer. <i>Biomarker Research</i> , 2019, 7, 23.   | 2.8  | 145       |
| 6  | MicroRNA-31 Reduces Inflammatory Signaling and Promotes Regeneration in Colon Epithelium, and Delivery of Mimics in Microspheres Reduces Colitis in Mice. <i>Gastroenterology</i> , 2019, 156, 2281-2296.e6. | 0.6  | 140       |
| 7  | Aberrant NSUN2-mediated m5C modification of H19 lncRNA is associated with poor differentiation of hepatocellular carcinoma. <i>Oncogene</i> , 2020, 39, 6906-6919.   | 2.6  | 131       |
| 8  | Promoter methylation profiles of tumor suppressor genes in intrahepatic and extrahepatic cholangiocarcinoma. <i>Modern Pathology</i> , 2005, 18, 412-420.  | 2.9  | 128       |
| 9  | SOX17 antagonizes WNT/ $\beta$ -catenin signaling pathway in hepatocellular carcinoma. <i>Epigenetics</i> , 2010, 5, 743-749.  | 1.3  | 122       |
| 10 | Hypermethylation-associated Inactivation of the Cellular Retinol-Binding-Protein 1 Gene in Human Cancer. <i>Cancer Research</i> , 2002, 62, 5902-5.  | 0.4  | 118       |
| 11 | Hypermethylation of the GATA Genes in Lung Cancer. <i>Clinical Cancer Research</i> , 2004, 10, 7917-7924.  | 3.2  | 117       |
| 12 | Accumulation of Promoter Methylation Suggests Epigenetic Progression in Squamous Cell Carcinoma of the Esophagus. <i>Clinical Cancer Research</i> , 2006, 12, 4515-4522.                                     | 3.2  | 104       |
| 13 | Portraying breast cancers with long noncoding RNAs. <i>Science Advances</i> , 2016, 2, e1600220.   | 4.7  | 102       |
| 14 | Epigenetic regulation of <i>DACH1</i> , a novel Wnt signaling component in colorectal cancer. <i>Epigenetics</i> , 2013, 8, 1373-1383.   | 1.3  | 79        |
| 15 | Epigenome-based personalized medicine in human cancer. <i>Epigenomics</i> , 2016, 8, 119-133.  | 1.0  | 76        |
| 16 | Changes of the Gastric Mucosal Microbiome Associated With Histological Stages of Gastric Carcinogenesis. <i>Frontiers in Microbiology</i> , 2020, 11, 997.   | 1.5  | 75        |
| 17 | The detective, prognostic, and predictive value of DNA methylation in human esophageal squamous cell carcinoma. <i>Clinical Epigenetics</i> , 2016, 8, 43.   | 1.8  | 74        |
| 18 | A Facile and Specific Assay for Quantifying MicroRNA by an Optimized RT-qPCR Approach. <i>PLoS ONE</i> , 2012, 7, e46890.  | 1.1  | 74        |

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|----|--|------|-----------|
| 19 | The clinical value of aberrant epigenetic changes of DNA damage repair genes in human cancer. <i>Oncotarget</i> , 2016, 7, 37331-37346.  | 0.8  | 73        |
| 20 | Predictive value of CHFR and MLH1 methylation in human gastric cancer. <i>Gastric Cancer</i> , 2015, 18, 280-287.  | 2.7  | 63        |
| 21 | LncRNA MT1JP functions as a tumor suppressor by interacting with TIAR to modulate the p53 pathway. <i>Oncotarget</i> , 2016, 7, 15787-15800.   | 0.8  | 59        |
| 22 | Inhibition of SOX17 by MicroRNA 141 and Methylation Activates the WNT Signaling Pathway in Esophageal Cancer. <i>Journal of Molecular Diagnostics</i> , 2012, 14, 577-585.   | 1.2  | 58        |
| 23 | Epigenetic silencing of DACH1 induces loss of transforming growth factor- $\beta$ 1 antiproliferative response in human hepatocellular carcinoma. <i>Hepatology</i> , 2013, 58, 2012-2022.   | 3.6  | 56        |
| 24 | Silencing GPX3 Expression Promotes Tumor Metastasis in Human Thyroid Cancer. <i>Current Protein and Peptide Science</i> , 2015, 16, 316-321.   | 0.7  | 56        |
| 25 | Methylation of <i>SLFN11</i> is a marker of poor prognosis and cisplatin resistance in colorectal cancer. <i>Epigenomics</i> , 2017, 9, 849-862.   | 1.0  | 55        |
| 26 | Hypermethylation of the GATA gene family in esophageal cancer. <i>International Journal of Cancer</i> , 2006, 119, 2078-2083.  | 2.3  | 54        |
| 27 | DACH1 inhibits cyclin D1 expression, cellular proliferation and tumor growth of renal cancer cells. <i>Journal of Hematology and Oncology</i> , 2014, 7, 73.   | 6.9  | 54        |
| 28 | Epigenetic Upregulation of Metallothionein 2A by Diallyl Trisulfide Enhances Chemosensitivity of Human Gastric Cancer Cells to Docetaxel Through Attenuating NF- $\kappa$ B Activation. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 839-854. | 2.5  | 53        |
| 29 | Epigenetic regulation of DACT2, a key component of the Wnt signalling pathway in human lung cancer. <i>Journal of Pathology</i> , 2013, 230, 194-204.  | 2.1  | 52        |
| 30 | Transcriptional profiling analysis and functional prediction of long noncoding RNAs in cancer. <i>Oncotarget</i> , 2016, 7, 8131-8142.   | 0.8  | 49        |
| 31 | HSP60-regulated Mitochondrial Proteostasis and Protein Translation Promote Tumor Growth of Ovarian Cancer. <i>Scientific Reports</i> , 2019, 9, 12628.   | 1.6  | 48        |
| 32 | Gefitinib-Sensitizing Mutations in Esophageal Carcinoma. <i>New England Journal of Medicine</i> , 2006, 354, 2193-2194.  | 13.9 | 47        |
| 33 | Promoter methylation of <i>HIN-1</i> in the progression to esophageal squamous cancer. <i>Epigenetics</i> , 2008, 3, 336-341.  | 1.3  | 43        |
| 34 | Methylation of <i>TFPI-2</i> is an early event of esophageal carcinogenesis. <i>Epigenomics</i> , 2012, 4, 135-146.  | 1.0  | 43        |
| 35 | Synthetic lethality strategies: Beyond BRCA1/2 mutations in pancreatic cancer. <i>Cancer Science</i> , 2020, 111, 3111-3121.   | 1.7  | 43        |
| 36 | DACH1 is a novel predictive and prognostic biomarker in hepatocellular carcinoma as a negative regulator of Wnt/ $\beta$ -catenin signaling. <i>Oncotarget</i> , 2015, 6, 8621-8634.   | 0.8  | 42        |

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|----|---|-----|-----------|
| 37 | Epigenetic changes and functional study of <i>HOXA11</i> in human gastric cancer. <i>Epigenomics</i> , 2015, 7, 201-213.  | 1.0 | 40        |
| 38 | DACH1 inhibits lung adenocarcinoma invasion and tumor growth by repressing CXCL5 signaling. <i>Oncotarget</i> , 2015, 6, 5877-5888.   | 0.8 | 40        |
| 39 | Epigenetic silencing of CDX2 is a feature of squamous esophageal cancer. <i>International Journal of Cancer</i> , 2007, 121, 1219-1226.   | 2.3 | 39        |
| 40 | Silencing NKD2 by Promoter Region Hypermethylation Promotes Esophageal Cancer Progression by Activating Wnt Signaling. <i>Journal of Thoracic Oncology</i> , 2016, 11, 1912-1926.   | 0.5 | 38        |
| 41 | Methylation-induced loss of miR-484 in microsatellite-unstable colorectal cancer promotes both viability and IL-8 production via CD137L. <i>Journal of Pathology</i> , 2015, 236, 165-174.  | 2.1 | 37        |
| 42 | Epigenetic silencing of <i>DACH1</i> induces the invasion and metastasis of gastric cancer by activating TGF $\beta$ signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 2499-2511.                                     | 1.6 | 34        |
| 43 | Evaluation of GATA-4 and GATA-5 methylation profiles in human pancreatic cancers indicate promoter methylation patterns distinct from other human tumor types. <i>Cancer Biology and Therapy</i> , 2007, 6, 1546-1552.                        | 1.5 | 33        |
| 44 | Epigenetic regulation of the Wnt signaling inhibitor <i>DACT2</i> in human hepatocellular carcinoma. <i>Epigenetics</i> , 2013, 8, 373-382.   | 1.3 | 33        |
| 45 | Silencing HOXD10 by promoter region hypermethylation activates ERK signaling in hepatocellular carcinoma. <i>Clinical Epigenetics</i> , 2017, 9, 116.   | 1.8 | 33        |
| 46 | Methylation of ZNF331 is an independent prognostic marker of colorectal cancer and promotes colorectal cancer growth. <i>Clinical Epigenetics</i> , 2017, 9, 115.   | 1.8 | 32        |
| 47 | Spatially graded segregation and recovery of circulating tumor cells from peripheral blood of cancer patients. <i>Biomicrofluidics</i> , 2013, 7, 34109.  | 1.2 | 31        |
| 48 | Epigenetic silencing of BCL6B inactivates p53 signaling and causes human hepatocellular carcinoma cell resist to 5-FU. <i>Oncotarget</i> , 2015, 6, 11547-11560.  | 0.8 | 31        |
| 49 | Epigenetic silencing of CXCL14 induced colorectal cancer migration and invasion. <i>Discovery Medicine</i> , 2013, 16, 137-47.  | 0.5 | 31        |
| 50 | DNA methylation-mediated repression of miR-181a/135a/302c expression promotes the microsatellite-unstable colorectal cancer development and 5-FU resistance via targeting PLAG1. <i>Journal of Genetics and Genomics</i> , 2018, 45, 205-214. | 1.7 | 30        |
| 51 | Downregulation of the FTO m6A RNA demethylase promotes EMT-mediated progression of epithelial tumors and sensitivity to Wnt inhibitors. <i>Nature Cancer</i> , 2021, 2, 611-628.  | 5.7 | 30        |
| 52 | Functional Characterization of Long Noncoding RNA Lnc_bc060912 in Human Lung Carcinoma Cells. <i>Biochemistry</i> , 2015, 54, 2895-2902.  | 1.2 | 29        |
| 53 | Methylation of DACT2 Promotes Papillary Thyroid Cancer Metastasis by Activating Wnt Signaling. <i>PLoS ONE</i> , 2014, 9, e112336.  | 1.1 | 29        |
| 54 | Epigenetic silencing of NKD2, a major component of Wnt signaling, promotes breast cancer growth. <i>Oncotarget</i> , 2015, 6, 22126-22138.  | 0.8 | 29        |

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|----|---|-----|-----------|
| 55 | Epigenetic changes associated with neoplasms of the exocrine and endocrine pancreas. <i>Discovery Medicine</i> , 2014, 17, 67-73.   | 0.5 | 29        |
| 56 | Methylation of <i>TMEM176A</i> is an independent prognostic marker and is involved in human colorectal cancer development. <i>Epigenetics</i> , 2017, 12, 575-583.  | 1.3 | 28        |
| 57 | Genetic and Methylation-Induced Loss of miR-181a2/181b2 within chr9q33.3 Facilitates Tumor Growth of Cervical Cancer through the PIK3R3/Akt/FoxO Signaling Pathway. <i>Clinical Cancer Research</i> , 2017, 23, 575-586.              | 3.2 | 28        |
| 58 | Gefitinib-sensitizing mutation in esophageal carcinoma cell line Kyse450. <i>Cancer Biology and Therapy</i> , 2006, 5, 152-155.   | 1.5 | 27        |
| 59 | Methylation of CHFR sensitizes esophageal squamous cell cancer to docetaxel and paclitaxel. <i>Genes and Cancer</i> , 2014, 6, 38-48.   | 0.6 | 27        |
| 60 | Silencing DACH1 Promotes Esophageal Cancer Growth by Inhibiting TGF- $\beta^2$ Signaling. <i>PLoS ONE</i> , 2014, 9, e95509.  | 1.1 | 26        |
| 61 | Methylation of <i>DACT2</i> accelerates esophageal cancer development by activating Wnt signaling. <i>Oncotarget</i> , 2016, 7, 17957-17969.  | 0.8 | 26        |
| 62 | Silencing NKD2 by promoter region hypermethylation promotes gastric cancer invasion and metastasis by up-regulating SOX18 in human gastric cancer. <i>Oncotarget</i> , 2015, 6, 33470-33485.  | 0.8 | 26        |
| 63 | DACT2 is frequently methylated in human gastric cancer and methylation of DACT2 activated Wnt signaling. <i>American Journal of Cancer Research</i> , 2014, 4, 710-24.  | 1.4 | 26        |
| 64 | Methylation of DIRAS1 promotes colorectal cancer progression and may serve as a marker for poor prognosis. <i>Clinical Epigenetics</i> , 2017, 9, 50.   | 1.8 | 25        |
| 65 | The safety, efficacy, and treatment outcomes of a combination of low-dose decitabine treatment in patients with recurrent ovarian cancer. <i>Oncolmmunology</i> , 2017, 6, e1323619.  | 2.1 | 23        |
| 66 | Epigenetics of Gastric Cancer. <i>Methods in Molecular Biology</i> , 2015, 1238, 783-799.   | 0.4 | 22        |
| 67 | Epigenetic silencing of TMEM176A promotes esophageal squamous cell cancer development. <i>Oncotarget</i> , 2017, 8, 70035-70048.  | 0.8 | 22        |
| 68 | Synthesis and biological evaluation of novel steroidal 5 $\beta$ ,8 $\beta$ -endoperoxide derivatives with aliphatic side-chain as potential anticancer agents. <i>Steroids</i> , 2017, 124, 46-53.                                   | 0.8 | 21        |
| 69 | Phase Ib/II study of safety and efficacy of low-dose decitabine-primed chemoimmunotherapy in patients with drug-resistant relapsed/refractory alimentary tract cancer. <i>International Journal of Cancer</i> , 2018, 143, 1530-1540. | 2.3 | 21        |
| 70 | Epigenetic silencing of TMEM176A activates ERK signaling in human hepatocellular carcinoma. <i>Clinical Epigenetics</i> , 2018, 10, 137.  | 1.8 | 21        |
| 71 | Retinoic acid-induced 2 (RAI2) is a novel tumor suppressor, and promoter region methylation of RAI2 is a poor prognostic marker in colorectal cancer. <i>Clinical Epigenetics</i> , 2018, 10, 69.                                     | 1.8 | 21        |
| 72 | Synthesis of 5 $\beta$ ,8 $\beta$ -Ergosterol Peroxide 3 $\beta$ -Carbamate Derivatives and a Fluorescent Mitochondria-Targeting Conjugate for Enhanced Anticancer Activities. <i>ChemMedChem</i> , 2017, 12, 466-474.                | 1.6 | 20        |

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|----|--|-----|-----------|
| 73 | Loss of BAP1 Results in Growth Inhibition and Enhances Mesenchymalâ€“Epithelial Transition in Kidney Tumor Cells. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1320-1329.  | 2.5 | 20        |
| 74 | AKT signaling pathway activated by H1N-1 methylation in non-small cell lung cancer. <i>Tumor Biology</i> , 2012, 33, 307-314.  | 0.8 | 19        |
| 75 | Epigenetic based synthetic lethal strategies in human cancers. <i>Biomarker Research</i> , 2020, 8, 44.  | 2.8 | 19        |
| 76 | Epigenetic silencing of IGF2BP1 promotes esophageal cancer growth by activating PI3K-AKT signaling. <i>Clinical Epigenetics</i> , 2020, 12, 22.  | 1.8 | 19        |
| 77 | RASSF10 suppresses colorectal cancer growth by activating P53 signaling and sensitizes colorectal cancer cell to docetaxel. <i>Oncotarget</i> , 2015, 6, 4202-4213.  | 0.8 | 19        |
| 78 | Methylation of NRN1 is a novel synthetic lethal marker of PI3Kâ€“Aktâ€“mTOR and ATR inhibitors in esophageal cancer. <i>Cancer Science</i> , 2021, 112, 2870-2883.   | 1.7 | 18        |
| 79 | RASSF10 suppresses hepatocellular carcinoma growth by activating P53 signaling and methylation of RASSF10 is a docetaxel resistant marker. <i>Genes and Cancer</i> , 2015, 6, 231-240.   | 0.6 | 18        |
| 80 | Methylation of DACT2 promotes breast cancer development by activating Wnt signaling. <i>Scientific Reports</i> , 2017, 7, 3325.  | 1.6 | 17        |
| 81 | Synthesis and biological evaluation of novel steroidal 5 $\alpha$ ,8 $\beta$ -epidioxyandrost-6-ene-3 $\beta$ -ol-17-(O-phenylacetamide)oxime derivatives as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3856-3861. | 1.0 | 17        |
| 82 | Epigenetics of Colorectal Cancer. <i>Methods in Molecular Biology</i> , 2015, 1238, 405-424.   | 0.4 | 17        |
| 83 | Methylation of ZNF331 Promotes Cell Invasion and Migration in Human Esophageal Cancer. <i>Current Protein and Peptide Science</i> , 2015, 16, 322-328.   | 0.7 | 17        |
| 84 | CDX2 serves as a Wnt signaling inhibitor and is frequently methylated in lung cancer. <i>Cancer Biology and Therapy</i> , 2012, 13, 1152-1157.   | 1.5 | 16        |
| 85 | Epigenetic silencing of RASSF10 promotes tumor growth in esophageal squamous cell carcinoma. <i>Discovery Medicine</i> , 2014, 17, 169-78.   | 0.5 | 16        |
| 86 | Epigenetic silencing of PRSS3 provides growth and metastasis advantage for human hepatocellular carcinoma. <i>Journal of Molecular Medicine</i> , 2017, 95, 1237-1249.   | 1.7 | 15        |
| 87 | Epigenetic silencing BCL6B induced colorectal cancer proliferation and metastasis by inhibiting P53 signaling. <i>American Journal of Cancer Research</i> , 2015, 5, 651-62.   | 1.4 | 15        |
| 88 | Methylation of SLFN11 promotes gastric cancer growth and increases gastric cancer cell resistance to cisplatin. <i>Journal of Cancer</i> , 2019, 10, 6124-6134.  | 1.2 | 14        |
| 89 | Methylation silencing of TGF- $\beta$ 2 receptor type II is involved in malignant transformation of esophageal squamous cell carcinoma. <i>Clinical Epigenetics</i> , 2020, 12, 25.  | 1.8 | 14        |
| 90 | CHFR methylation strongly correlates with methylation of DNA damage repair and apoptotic pathway genes in non-small cell lung cancer. <i>Discovery Medicine</i> , 2015, 19, 151-8.   | 0.5 | 13        |

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|-----|---|-----|-----------|
| 91  | C <sub>60</sub> (OH) <sub>22</sub> : a potential histone deacetylase inhibitor with anti-angiogenic activity. <i>Nanoscale</i> , 2016, 8, 16332-16339.  | 2.8 | 12        |
| 92  | ZNF545 suppresses human hepatocellular carcinoma growth by inhibiting NF- $\kappa$ B signaling. <i>Genes and Cancer</i> , 2017, 8, 528-535.   | 0.6 | 11        |
| 93  | Epigenetic regulation of voltage-gated potassium ion channel molecule Kv1.3 in mechanisms of colorectal cancer. <i>Discovery Medicine</i> , 2017, 23, 155-162.  | 0.5 | 10        |
| 94  | Hypermethylation of ZNF545 is associated with poor prognosis in patients with early-stage hepatocellular carcinoma after thermal ablation: Table 1. <i>Gut</i> , 2015, 64, 1836-1837.   | 6.1 | 9         |
| 95  | Design, synthesis, and biological activity of 4-(imidazo[1,2- <i>b</i> ]pyridazin-3-yl)-1 <i>H</i> -pyrazol-1-yl-phenylbenzamide derivatives as BCR-ABL kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5830-5835. | 1.0 | 9         |
| 96  | Systematic study of novel lncRNAs in different gastrointestinal cancer cells. <i>Discovery Medicine</i> , 2016, 21, 159-71.   | 0.5 | 9         |
| 97  | Methylation of <i>TMEM176A</i> , a key ERK signaling regulator, is a novel synthetic lethality marker of ATM inhibitors in human lung cancer. <i>Epigenomics</i> , 2021, 13, 1403-1419.   | 1.0 | 8         |
| 98  | Expression profiling and functional prediction of long noncoding RNAs in nasopharyngeal nonkeratinizing carcinoma. <i>Discovery Medicine</i> , 2016, 21, 239-50.  | 0.5 | 8         |
| 99  | Intratumor Epigenetic Heterogeneity—A Panel Gene Methylation Study in Thyroid Cancer. <i>Frontiers in Genetics</i> , 2021, 12, 714071.  | 1.1 | 4         |
| 100 | Clinical and pathological features of miR-10b and RHOC gene expression in hepatocellular carcinoma. <i>Science Bulletin</i> , 2014, 59, 2249-2253.  | 1.7 | 3         |
| 101 | Amplification of the miR-181c/d cluster is inversely correlated with PDCD4 expression in gastric cancer. <i>Science Bulletin</i> , 2014, 59, 2240-2248.   | 1.7 | 3         |
| 102 | Methylation of RASSF10 promotes cell proliferation and serves as a docetaxel resistant marker in human breast cancer. <i>Discovery Medicine</i> , 2015, 20, 261-71.   | 0.5 | 3         |
| 103 | CpG Site-Specific Methylation-Modulated Divergent Expression of PRSS3 Transcript Variants Facilitates Nongenetic Intratumor Heterogeneity in Human Hepatocellular Carcinoma. <i>Frontiers in Oncology</i> , 2022, 12, 831268.                       | 1.3 | 2         |
| 104 | BCL6B hypermethylation predicts metastasis and poor prognosis in early-stage hepatocellular carcinoma after thermal ablation. <i>Journal of Cancer Research and Therapeutics</i> , 2021, 17, 644.   | 0.3 | 1         |
| 105 | Meeting Report of the Fifth International Cancer Epigenetics Conference in Beijing, China, October 2016. <i>Epigenomics</i> , 2017, 9, 937-941.   | 1.0 | 0         |
| 106 | T-type Ca <sup>2+</sup> Channel Expression in Human Esophageal Carcinomas: A Functional Role in Proliferation. <i>FASEB Journal</i> , 2007, 21, A538.   | 0.2 | 0         |
| 107 | $\beta$ -catenin Hypermethylation Correlates with AML Transformation in Patients with and without 5q Defects. <i>Blood</i> , 2007, 110, 2119-2119.  | 0.6 | 0         |