

# Dimitrios H Roukos

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120  
papers

6,353  
citations

57  
h-index

75  
g-index

236  
ext. papers

6,975  
ext. citations

4.6  
avg, IF

6.58  
L-index

#	Paper	IF	Citations
120	Proof-of-Concept Pilot Study on Comprehensive Spatiotemporal Intra-Patient Heterogeneity for Colorectal Cancer With Liver Metastasis.. <i>Frontiers in Oncology</i> , <b>2022</b> , 12, 855463	5.3	1
119	Comprehensive intra-individual genomic and transcriptional heterogeneity: Evidence-based Colorectal Cancer Precision Medicine. <i>Cancer Treatment Reviews</i> , <b>2019</b> , 80, 101894	14.4	22
118	Precision oncology in patients with nonmetastatic disease: emerging reality or illusion. <i>Future Oncology</i> , <b>2019</b> , 15, 1805-1810	3.6	
117	Drug resistance: origins, evolution and characterization of genomic clones and the tumor ecosystem to optimize precise individualized therapy. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 1281-1294	8.8	12
116	Bulk and Single-Cell Next-Generation Sequencing: Individualizing Treatment for Colorectal Cancer. <i>Cancers</i> , <b>2019</b> , 11,	6.6	10
115	Dynamic genome and transcriptional network-based biomarkers and drugs: precision in breast cancer therapy. <i>Medicinal Research Reviews</i> , <b>2019</b> , 39, 1205-1227	14.4	15
114	Discovering novel valid biomarkers and drugs in patient-centric genomic trials: the new epoch of precision surgical oncology. <i>Drug Discovery Today</i> , <b>2018</b> , 23, 1848-1872	8.8	7
113	Precision in personalized prediction-based medicine. <i>Personalized Medicine</i> , <b>2018</b> , 15, 467-470	2.2	
112	Breakthrough cancer genome analysis in time and space: novel oncotargets and early drug development. <i>Pharmacogenomics</i> , <b>2018</b> , 19, 1303-1310	2.6	
111	Early solid tumor diagnosis through next-generation sequencing of cell-free DNA. <i>Biomarkers in Medicine</i> , <b>2018</b> , 12, 1197-1201	2.3	1
110	Identification of novel genes by whole-exome sequencing can improve gastric cancer precision oncology. <i>Future Oncology</i> , <b>2017</b> , 13, 883-892	3.6	5
109	Spatiotemporal diversification of inpatient genomic clones and early drug development concepts realize the roadmap of precision cancer medicine. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 1148-1164	8.8	17
108	From Clinical Standards to Translating Next-Generation Sequencing Research into Patient Care Improvement for Hepatobiliary and Pancreatic Cancers. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	8
107	Primary liver cancer genome sequencing: translational implications and challenges. <i>Expert Review of Gastroenterology and Hepatology</i> , <b>2017</b> , 11, 875-883	4.2	2
106	Intratumor heterogeneity: predicting and preventing therapeutic resistance. <i>Biomarkers in Medicine</i> , <b>2016</b> , 10, 681-4	2.3	1
105	Crossroad between linear and nonlinear transcription concepts in the discovery of next-generation sequencing systems-based anticancer therapies. <i>Drug Discovery Today</i> , <b>2016</b> , 21, 663-73	8.8	12
104	Continuous intraoperative neuromonitoring in thyroid surgery: Safety analysis of 400 consecutive electrode probe placements with standardized procedures. <i>Head and Neck</i> , <b>2016</b> , 38 Suppl 1, E1568-74	4.2	26

103	The role of heat shock proteins in cancer. <i>Cancer Letters</i> , <b>2015</b> , 360, 114-8	9.9	199
102	Neoadjuvant chemotherapy in locally advanced gastric cancer: what to avoid. Preliminary analysis of a consecutive series of patients. <i>Tumori</i> , <b>2015</b> , 101, 511-6	1.7	
101	Targeted Therapy and Novel Agents for the Treatment of Gastric Cancer: A View Toward the Future <b>2015</b> , 317-330		
100	Laparoscopic gastrectomy for gastric cancer: current evidences. <i>International Journal of Surgery</i> , <b>2014</b> , 12, 1369-73	7.5	16
99	Application of microRNAs in diabetes mellitus. <i>Journal of Endocrinology</i> , <b>2014</b> , 222, R1-R10	4.7	91
98	Intraoperative neuromonitoring of the external branch of the superior laryngeal nerve during thyroidectomy: the need for evidence-based data and perioperative technical/technological standardization. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 692365	2.2	7
97	Potential of antibody-drug conjugates and novel therapeutics in breast cancer management. <i>OncoTargets and Therapy</i> , <b>2014</b> , 7, 491-500	4.4	17
96	Dynamic sequencing of circulating tumor DNA: novel noninvasive cancer biomarker. <i>Biomarkers in Medicine</i> , <b>2014</b> , 8, 629-32	2.3	4
95	BMI and lymph node ratio may predict clinical outcomes of gastric cancer. <i>Future Oncology</i> , <b>2014</b> , 10, 249-55	3.6	10
94	Genome network medicine: innovation to overcome huge challenges in cancer therapy. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , <b>2014</b> , 6, 201-8	6.6	6
93	Novel next-generation sequencing and networks-based therapeutic targets: realistic and more effective drug design and discovery. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 11-22	3.3	12
92	The Evolution of High-Throughput Sequencing Technologies: From Sanger to Single-Molecule Sequencing <b>2013</b> , 1-30		
91	Integrative deep-sequencing analysis of cancer samples: discoveries and clinical challenges. <i>Pharmacogenomics Journal</i> , <b>2013</b> , 13, 205-8	3.5	3
90	Integrating NGS and third-generation sequencing technologies into clinical genomic medicine <b>2013</b> , 6-18		
89	Research and clinical applications of cancer genome sequencing. <i>Current Opinion in Obstetrics and Gynecology</i> , <b>2013</b> , 25, 3-10	2.4	10
88	Next-Generation Sequencing & Molecular Diagnostics <b>2013</b> ,		1
87	Translating complex genomic discoveries into molecular diagnostic tests <b>2013</b> , 2-5		
86	Next-Generation Sequencing in Cancer Epigenomics and Potential Clinical Applications <b>2013</b> , 31-53		1

85	Translating cancer genomes sequencing revolution into surgical oncology practice. <i>Journal of Surgical Research</i> , <b>2012</b> , 173, 365-9	2.5	6
84	Gene discovery in familial cancer syndromes by exome sequencing: prospects for the elucidation of familial colorectal cancer type X. <i>Modern Pathology</i> , <b>2012</b> , 25, 1055-68	9.8	31
83	Fruit and vegetable intake and the risk of gastric adenocarcinoma: a reanalysis of the European Prospective Investigation into Cancer and Nutrition (EPIC-EURGAST) study after a longer follow-up. <i>International Journal of Cancer</i> , <b>2012</b> , 131, 2910-9	7.5	93
82	Chromatin: a key player in complex gene regulation and future cancer therapeutics. <i>Epigenomics</i> , <b>2011</b> , 3, 395-9	4.4	20
81	Trastuzumab and beyond: sequencing cancer genomes and predicting molecular networks. <i>Pharmacogenomics Journal</i> , <b>2011</b> , 11, 81-92	3.5	58
80	Standards, advances and challenges in laparoscopic total mesorectal excision. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2011</b> , 25, 333-5	5.2	1
79	Omitting axilla lymphadenectomy even by positive sentinel lymph node: a change in breast cancer treatment practice. <i>Women's Health</i> , <b>2011</b> , 7, 417-8	3	3
78	Targeting the individual cancer patient <b>2011</b> , 8-28		1
77	Personalized genomic medicine: is a cancer care revolution achievable? <b>2011</b> , 2-6		
76	Beyond HER2 and trastuzumab: heterogeneity, systems biology, and cancer origin research may guide the future for personalized treatment of very early but aggressive breast cancer. <i>Journal of Clinical Oncology</i> , <b>2010</b> , 28, e279-80; author reply e282-3	2.2	32
75	Multigene assays and isolated tumor cells for early breast cancer treatment: time for bionetworks. <i>Expert Review of Anticancer Therapy</i> , <b>2010</b> , 10, 1187-95	3.5	16
74	Individual genomes and personalized medicine: life diversity and complexity. <i>Personalized Medicine</i> , <b>2010</b> , 7, 347-350	2.2	81
73	Comparative-effectiveness research to standardize retrieved nodes for quality control in colorectal cancer. <i>Annals of Surgery</i> , <b>2010</b> , 252, 202-3; author reply 203	7.8	1
72	Laparoscopic and robotic rectal cancer resection: expectations for improving oncological outcomes. <i>Annals of Surgery</i> , <b>2010</b> , 251, 185-6; author reply 186	7.8	9
71	Standardizing lymphadenectomy for rectal cancer. <i>Annals of Surgery</i> , <b>2010</b> , 252, 569; author reply 569-70.8		
70	Limitations of isolated tumor cells in gastric cancer: heterogeneity requests systems biology approaches towards personalized medicine. <i>Annals of Surgical Oncology</i> , <b>2010</b> , 17, 343-4; author reply 345	3.1	2
69	Caution in adding bevacizumab in the adjuvant treatment of breast cancer. <i>Annals of Surgical Oncology</i> , <b>2010</b> , 17, 653-4; author reply 655-6	3.1	
68	HER-2-negative breast cancer limitations and next-generation sequencing technology promises. <i>Annals of Surgical Oncology</i> , <b>2010</b> , 17, 1720	3.1	3

67	Novel clinico-genome network modeling for revolutionizing genotype-phenotype-based personalized cancer care. <i>Expert Review of Molecular Diagnostics</i> , <b>2010</b> , 10, 33-48	3.8	82
66	Quality control in colorectal cancer care: how many lymph nodes should be harvested?. <i>World Journal of Surgery</i> , <b>2010</b> , 34, 864-5; author reply 866-7	3.3	1
65	Ten years after human genome sequencing: is personalized breast screening and prevention reality?. <i>World Journal of Surgery</i> , <b>2010</b> , 34, 2786-7; author reply 2788-9	3.3	
64	Thresholds and combined quality control in the multimodal treatment of colorectal cancer. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2010</b> , 24, 1789-90	5.2	
63	New technology-based innovation changes surgical practice and research direction in solid cancers. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2010</b> , 24, 2916-7	5.2	
62	Hope from Japan for esophagogastric cancers: esophagectomy and endoscopic submucosal dissection for gastric tube cancer. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2010</b> , 24, 2924-5	5.2	
61	Totally intracorporeal laparoscopic gastrectomy for gastric cancer. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2010</b> , 24, 3247-8; author reply 3249-50	5.2	3
60	Twenty-one-gene assay: challenges and promises in translating personal genomics and whole-genome scans into personalized treatment of breast cancer. <i>Journal of Clinical Oncology</i> , <b>2009</b> , 27, 1337-8; author reply 1338-9	2.2	74
59	Esophagus and Gastric Cancer: How Surgeon's Experience and Personal Genomics May Improve Locoregional Control and Survival. <i>World Journal of Surgery</i> , <b>2009</b> , 33, 161-2	3.3	
58	Human genetic and structural genomic variation: would genome-wide association studies be the solution for cancer complexity like Alexander the Great for the "Gordian Knot"?. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 774-5; author reply 776-7	3.1	85
57	Personal genomics and genome-wide association studies: novel discoveries but limitations for practical personalized medicine. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 772-3	3.1	97
56	Circulating cancer cells: could they be used in the clinic as recurrence markers for gastric and colorectal cancer?. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 778-9; author reply 780-2	3.1	
55	Genetics and personal genomics for personalized breast cancer surgery: progress and challenges in research and clinical practice. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 1771-82	3.1	80
54	Magnetic resonance imaging and potential impact on extent of surgery in breast cancer. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 2953-4; author reply 2955	3.1	
53	Challenges in personalizing decisions on whole, partial or no breast irradiation and extent of surgery for early breast cancer. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 2656-7; author reply 2658	3.1	1
52	Totally laparoscopic gastrectomy: a reality for USA and Europe?. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 2665-6; author reply 2667	3.1	5
51	Randomized evidence for laparoscopic gastrectomy short-term quality of life improvement and challenges for improving long-term outcomes. <i>Annals of Surgery</i> , <b>2009</b> , 250, 349-50; author reply 350	7.8	58
50	Laparoscopic gastrectomy and personal genomics: high-volume surgeons and predictive biomedicine may govern the future for resectable gastric cancer. <i>Annals of Surgery</i> , <b>2009</b> , 250, 650-1; author reply 651	7.8	49

49	Breast cancer outcomes: the crucial role of the breast surgeon in the era of personal genetics and systems biology. <i>Annals of Surgery</i> , <b>2009</b> , 249, 1067-8	7.8	67
48	Laparoscopic colectomy survival benefit for colon cancer: is evidence from a randomized trial true?. <i>Annals of Surgery</i> , <b>2009</b> , 249, 695-6; author reply 697	7.8	50
47	Genetics and genome-wide association studies: surgery-guided algorithm and promise for future breast cancer personalized surgery. <i>Expert Review of Molecular Diagnostics</i> , <b>2008</b> , 8, 587-97	3.8	75
46	Does lymphadenectomy improve survival of patients with solid tumors?. <i>Annals of Surgical Oncology</i> , <b>2008</b> , 15, 385; author reply 388-9	3.1	1
45	Innovative genomic-based model for personalized treatment of gastric cancer: integrating current standards and new technologies. <i>Expert Review of Molecular Diagnostics</i> , <b>2008</b> , 8, 29-39	3.8	75
44	Increased risk of local recurrence after breast-conserving therapy in young patients. <i>Radiotherapy and Oncology</i> , <b>2008</b> , 86, 286-7; author reply 287-8	5.3	1
43	Linking contralateral breast cancer with genetics. <i>Radiotherapy and Oncology</i> , <b>2008</b> , 86, 139-41	5.3	65
42	Genomics and challenges toward personalized breast cancer local control. <i>Journal of Clinical Oncology</i> , <b>2008</b> , 26, 4360-1; author reply 4361-2	2.2	75
41	Contralateral prophylactic mastectomy: mind the genetics. <i>Journal of Clinical Oncology</i> , <b>2008</b> , 26, 1909-10; author reply 1910	2.2	8
40	Identifying and preventing high-risk gastric cancer individuals with CDH1 mutations. <i>Annals of Surgery</i> , <b>2008</b> , 247, 714-5; author reply 715-6	7.8	67
39	Outcomes of breast cancer patients with and without BRCA1/2 mutations. <i>International Journal of Cancer</i> , <b>2008</b> , 122, 1918-9	7.5	
38	EGFR as a Prognostic Marker for Gastric Cancer. <i>World Journal of Surgery</i> , <b>2008</b> , 32, 1225-6; author reply 1227-9	3.3	7
37	Robotic surgery for rectal cancer: may it improve also survival?. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2008</b> , 22, 1405-6	5.2	63
36	Is there any long-term benefit in quality of life after laparoscopy-assisted distal gastrectomy for gastric cancer?. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2008</b> , 22, 1402-4	5.2	43
35	The predominant role of surgery in the prevention and new trends in the surgical treatment of women with BRCA1/2 mutations. <i>Annals of Surgical Oncology</i> , <b>2008</b> , 15, 21-33	3.1	101
34	More controversy than ever - challenges and promises towards personalized treatment of gastric cancer. <i>Annals of Surgical Oncology</i> , <b>2008</b> , 15, 956-60	3.1	80
33	Targeting VEGF, EGFR, and other interacting pathways for gastric cancer-promises and reality. <i>Annals of Surgical Oncology</i> , <b>2008</b> , 15, 2981-2; author reply 2983-5	3.1	7
32	HER2 and trastuzumab: impact of a new standard agent on local control and surgery for breast cancer. <i>Annals of Surgical Oncology</i> , <b>2008</b> , 15, 3614-5; author reply 3616	3.1	2

31	HER2 and response to paclitaxel in node-positive breast cancer. <i>New England Journal of Medicine</i> , <b>2008</b> , 358, 197; author reply 198	59.2	30
30	Breast-cancer stromal cells with TP53 mutations. <i>New England Journal of Medicine</i> , <b>2008</b> , 358, 1636; author reply 1636	59.2	52
29	Molecular genetic tools shape a roadmap towards a more accurate prognostic prediction and personalized management of cancer. <i>Cancer Biology and Therapy</i> , <b>2007</b> , 6, 308-12	4.6	104
28	Individualized preventive and therapeutic management of hereditary breast ovarian cancer syndrome. <i>Nature Clinical Practice Oncology</i> , <b>2007</b> , 4, 578-90		107
27	Pathology findings and validation of gastric and esophageal cancer cases in a European cohort (EPIC/EUR-GAST). <i>Scandinavian Journal of Gastroenterology</i> , <b>2007</b> , 42, 618-27	2.4	41
26	Prognosis of breast cancer in carriers of BRCA1 and BRCA2 mutations. <i>New England Journal of Medicine</i> , <b>2007</b> , 357, 1555-6; author reply 1556	59.2	29
25	Fruit and vegetable intake and the risk of stomach and oesophagus adenocarcinoma in the European Prospective Investigation into Cancer and Nutrition (EPIC-EURGAST). <i>International Journal of Cancer</i> , <b>2006</b> , 118, 2559-66	7.5	258
24	Can VEGF-D and VEGFR-3 be used as biomarkers for therapeutic decisions in patients with gastric cancer?. <i>Nature Clinical Practice Oncology</i> , <b>2006</b> , 3, 418-9		3
23	Meat intake and risk of stomach and esophageal adenocarcinoma within the European Prospective Investigation into Cancer and Nutrition (EPIC). <i>Journal of the National Cancer Institute</i> , <b>2006</b> , 98, 345-54	9.7	247
22	Does a new model improve decisions about mismatch-repair genetic testing and Lynch syndrome identification?. <i>Nature Clinical Practice Oncology</i> , <b>2006</b> , 3, 656-7		3
21	Selecting a specific pre- or postoperative adjuvant therapy for individual patients with operable gastric cancer. <i>Expert Review of Anticancer Therapy</i> , <b>2006</b> , 6, 931-9	3.5	69
20	Is an aromatase inhibitor more effective than tamoxifen in neoadjuvant endocrine therapy for breast cancer?. <i>Nature Clinical Practice Oncology</i> , <b>2006</b> , 3, 82-3		1
19	Surgery in the era of gene expression profiling-based prediction and individualized, neoadjuvant breast cancer therapy: the beginning of the end?. <i>Annals of Surgical Oncology</i> , <b>2006</b> , 13, 433-5	3.1	4
18	Does neoadjuvant versus adjuvant systemic treatment improve outcomes in breast cancer?. <i>Nature Clinical Practice Oncology</i> , <b>2005</b> , 2, 342-3		1
17	It Is Still Not the Time to Change Surgical Strategy for Gastric Cancer. <i>Annals of Surgical Oncology</i> , <b>2005</b> , 12, 194-196	3.1	1
16	Factors increasing local recurrence in breast-conserving surgery. <i>Expert Review of Anticancer Therapy</i> , <b>2005</b> , 5, 737-45	3.5	72
15	Perspectives in the treatment of gastric cancer. <i>Nature Clinical Practice Oncology</i> , <b>2005</b> , 2, 98-107		146
14	Impact of spleen preservation in patients with gastric cancer. <i>Anticancer Research</i> , <b>2005</b> , 25, 3023-30	2.3	22

13	Early-stage gastric cancer: a highly treatable disease. <i>Annals of Surgical Oncology</i> , <b>2004</b> , 11, 127-9	3.1	77
12	The role of HPV DNA testing in the follow-up period after treatment for CIN: a systematic review of the literature. <i>Cancer Treatment Reviews</i> , <b>2004</b> , 30, 205-11	14.4	129
11	Breast and gastric cancer: comparing what we learn. <i>Annals of Surgical Oncology</i> , <b>2003</b> , 10, 92-4	3.1	4
10	Fruits and vegetables: do they protect from gastric cancer?. <i>Gastroenterology</i> , <b>2003</b> , 124, 2006-7; author reply 2007	13.3	5
9	Distal gastric cancer and extensive surgery: a new evaluation method based on the study of the status of residual lymph nodes after limited surgery. <i>Annals of Surgical Oncology</i> , <b>2000</b> , 7, 719-26	3.1	77
8	Adjuvant chemotherapy in gastric cancer. <i>Journal of Clinical Oncology</i> , <b>2000</b> , 18, 3061-2	2.2	1
7	Relevant prognostic factors in gastric cancer. <i>Annals of Surgery</i> , <b>2000</b> , 232, 719-20	7.8	4
6	Current advances and changes in treatment strategy may improve survival and quality of life in patients with potentially curable gastric cancer. <i>Annals of Surgical Oncology</i> , <b>1999</b> , 6, 46-56	3.1	106
5	Evidence of survival benefit of extended (D2) lymphadenectomy in western patients with gastric cancer based on a new concept: a prospective long-term follow-up study. <i>Surgery</i> , <b>1998</b> , 123, 573-8	3.6	126
4	Effectiveness of extended lymphadenectomy in noncurative gastrectomy. <i>American Journal of Surgery</i> , <b>1996</b> , 172, 303	2.7	2
3	Effectiveness of extended lymphadenectomy in early gastric cancer. <i>Surgery</i> , <b>1996</b> , 119, 238-9	3.6	3
2	A prospective randomized trial comparing R1 subtotal gastrectomy with R3 total gastrectomy for antral cancer. <i>Annals of Surgery</i> , <b>1996</b> , 224, 108-9	7.8	
1	A critical evaluation of effectivity of extended lymphadenectomy in patients with carcinoma of the stomach. An analysis of early results and long-term survival. <i>Journal of Cancer Research and Clinical Oncology</i> , <b>1990</b> , 116, 307-13	4.9	66