Ondrej Topolcan

List of Publications by Year in descending order

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127 papers 1,934 citations

257101 24 h-index 35 g-index

141 all docs

141 docs citations

times ranked

141

3851 citing authors

#	Article	IF	CITATIONS
1	Relevance of miR-21 and miR-143 expression in tissue samples ofÂcolorectal carcinoma and its liver metastases. Cancer Genetics and Cytogenetics, 2010, 200, 154-160.	1.0	139
2	Cytokines as Plasma Markers of Abdominal Aortic Aneurysm. Clinical Chemistry and Laboratory Medicine, 2000, 38, 1161-4.	1.4	71
3	Parathyroid Hormone and Vitamin D Levels are Independently Associated With Calcific Aortic Stenosis. Circulation Journal, 2008, 72, 245-250.	0.7	61
4	Inflammation in the wall of abdominal aortic aneurysm and its role in the symptomatology of aneurysm. Cytokines, Cellular & Molecular Therapy, 2002, 7, 91-97.	0.3	57
5	The role of thymidine kinase in cancer diseases. Expert Opinion on Medical Diagnostics, 2008, 2, 129-141.	1.6	56
6	Risks associated with the stroke predisposition at young age: facts and hypotheses in light of individualized predictive and preventive approach. EPMA Journal, 2019, 10, 81-99.	3.3	50
7	New molecularly targeted therapies for glioblastoma multiforme. Anticancer Research, 2012, 32, 2935-46.	0.5	41
8	Insufficient response to mRNA SARS-CoV-2 vaccine and high incidence of severe COVID-19 in kidney transplant recipients during pandemic. American Journal of Transplantation, 2022, 22, 801-812.	2.6	40
9	18F-FDG-PET/CT in potentially advanced renal cell carcinoma: a role in treatment decisions and prognosis estimation. Anticancer Research, 2013, 33, 2665-72.	0.5	40
10	G12V and G12A KRAS mutations are associated with poor outcome in patients with metastatic colorectal cancer treated with bevacizumab. Tumor Biology, 2016, 37, 6823-6830.	0.8	38
11	Current status of biomarker research in neurology. EPMA Journal, 2016, 7, 14.	3.3	36
12	Differential Acute Postprandial Effects of Processed Meat and Isocaloric Vegan Meals on the Gastrointestinal Hormone Response in Subjects Suffering from Type 2 Diabetes and Healthy Controls: A Randomized Crossover Study. PLoS ONE, 2014, 9, e107561.	1.1	35
13	10th Anniversary of the European Association for Predictive, Preventive and Personalised (3P) MedicineÂ- EPMA World Congress Supplement 2020. EPMA Journal, 2020, 11, 1-133.	3.3	34
14	The Measurement of Intraocular Biomarkers in Various Stages of Proliferative Diabetic Retinopathy Using Multiplex xMAP Technology. Journal of Ophthalmology, 2015, 2015, 1-6.	0.6	33
15	May CTC technologies promote better cancer management?. EPMA Journal, 2015, 6, 1.	3.3	31
16	Plasma microRNA Levels Combined with CEA and CA19-9 in the Follow-Up of Colorectal Cancer Patients. Cancers, 2019, 11, 864.	1.7	31
17	Statins augment efficacy of EGFR-TKIs in patients with advanced-stage non-small cell lung cancer harbouring KRAS mutation. Tumor Biology, 2015, 36, 5801-5805.	0.8	29
18	Oneâ€step nucleic acid amplification vs ultrastaging in the detection of sentinel lymph node metastasis in endometrial cancer patients. Journal of Surgical Oncology, 2019, 119, 361-369.	0.8	29

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19	Gastric lipoma presenting as upper gastrointestinal obstruction. Journal of Gastroenterology, 1998, 33, 716-719.	2.3	27
20	Short to long term mortality of patients hospitalised with heart failure in the Czech Republic-a report from the EuroHeart Failure Survey. European Journal of Heart Failure, 2005, 7, 780-783.	2.9	27
21	Monitoring of circulating tumor cells in patients undergoing surgery for hepatic metastases from colorectal cancer. Anticancer Research, 2013, 33, 2239-43.	0.5	27
22	Changes in the expression of N- and O-glycopeptides in patients with colorectal cancer and hepatocellular carcinoma quantified by full-MS scan FT-ICR and multiple reaction monitoring. Journal of Proteomics, 2017, 153, 44-52.	1.2	26
23	Immune-related Adverse Effects and Outcome of Patients With Cancer Treated With Immune Checkpoint Inhibitors. Anticancer Research, 2020, 40, 1219-1227.	0.5	26
24	Predictive role of CEA and CYFRA 21-1 in patients with advanced-stage NSCLC treated with erlotinib. Anticancer Research, 2014, 34, 3205-10.	0.5	26
25	Plasma Catecholamines and Ischemic Heart Disease. Clinical Cardiology, 2007, 30, 326-330.	0.7	25
26	The association of miR-126-3p, miR-126-5p and miR-664-3p expression profiles with outcomes of patients with metastatic colorectal cancer treated with bevacizumab. Tumor Biology, 2017, 39, 101042831770928.	0.8	24
27	Soluble receptor for advanced glycation end products and increased aortic stiffness in the general population. Hypertension Research, 2016, 39, 266-271.	1.5	22
28	Prognostic Significance of TMPRSS2-ERG Fusion Gene in Prostate Cancer. Anticancer Research, 2016, 36, 4787-4794.	0.5	22
29	MIC1/GDF15 as a Bone Metastatic Disease Biomarker. Anticancer Research, 2017, 37, 1501-1506.	0.5	22
30	Changes of cytokine levels during granulocyte–colonyâ€stimulating factor stem cell mobilization in healthy donors: association with mobilization efficiency and potential predictive significance. Transfusion, 2011, 51, 319-327.	0.8	21
31	PIVKA-II as a Potential New Biomarker for Hepatocellular Carcinoma – A Pilot Study. In Vivo, 2018, 32, 1551-1554.	0.6	21
32	Tissue microRNAs as predictive markers for gastric cancer patients undergoing palliative chemotherapy. International Journal of Oncology, 2016, 48, 2693-2703.	1.4	20
33	Overview of healthcare system in the Czech Republic. EPMA Journal, 2012, 3, 4.	3.3	19
34	Asymptomatic Abdominal Aortic Aneurysms Show Histological Signs of Progression: A Quantitative Histochemical Analysis. Pathobiology, 2013, 80, 11-23.	1.9	19
35	The effect of meal frequency in a reduced-energy regimen on the gastrointestinal and appetite hormones in patients with type 2 diabetes: A randomised crossover study. PLoS ONE, 2017, 12, e0174820.	1.1	19
36	Reference values of IGF1, IGFBP3 and IGF1/IGFBP3 ratio in adult population in the Czech Republic. Clinica Chimica Acta, 2015, 444, 271-277.	0.5	18

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37	Effect of long-term using of hormonal contraception on anti-Müllerian hormone secretion. Gynecological Endocrinology, 2016, 32, 383-385.	0.7	18
38	Evaluation of IL-2, IL-6, IL-8 and IL-10 in Malignant Melanoma Diagnostics. Anticancer Research, 2015, 35, 3537-41.	0.5	18
39	The Prognostic Role of KRAS Mutation in Patients with Advanced NSCLC Treated with Second- or Third-line Chemotherapy. Anticancer Research, 2016, 36, 1077-82.	0.5	18
40	High serum level of C-reactive protein is associated with worse outcome of patients with advanced-stage NSCLC treated with erlotinib. Tumor Biology, 2015, 36, 9215-9222.	0.8	17
41	Epidemiological and Microbiological Aspects of the Peritonsillar Abscess. International Journal of Environmental Research and Public Health, 2020, 17, 4020.	1.2	17
42	Parameters of biological activity in colorectal cancer. Anticancer Research, 2011, 31, 373-8.	0.5	17
43	Evaluation of IGF1 serum levels in malignant melanoma and healthy subjects. Anticancer Research, 2014, 34, 5217-20.	0.5	17
44	Synergistic effect of low K and D vitamin status on arterial stiffness in a general population. Journal of Nutritional Biochemistry, 2017, 46, 83-89.	1.9	16
45	Circulating nucleosomes and cytokeratin 19-fragments in patients with colorectal cancer during chemotherapy. Anticancer Research, 2005, 25, 1795-801.	0.5	16
46	ORIGINAL ARTICLE: Sperm Antibodies, Intraâ€Acrosomal Sperm Proteins, and Cytokines in Semen in Men from Infertile Couples. American Journal of Reproductive Immunology, 2009, 61, 236-245.	1.2	15
47	Follicular fluid levels of anti-Mýllerian hormone, insulin-like growth factor 1 and leptin in women with fertility disorders. Systems Biology in Reproductive Medicine, 2018, 64, 220-223.	1.0	15
48	The Ability of Prostate Health Index (PHI) to Predict Gleason Score in Patients With Prostate Cancer and Discriminate Patients Between Gleason Score 6 and Gleason Score Higher Than 6—A Study on 320 Patients After Radical Prostatectomy. Technology in Cancer Research and Treatment, 2018, 17, 153303381878737.	0.8	15
49	Evaluation of Tumor Markers and Their Impact on Prognosis in Gallbladder, Bile Duct and Cholangiocellular Carcinomas – A Pilot Study. Anticancer Research, 2017, 37, 2003-2010.	0.5	15
50	HE4 and ROMA index in Czech postmenopausal women. Anticancer Research, 2012, 32, 4137-40.	0.5	15
51	Prognostic significance of ERCC1, RRM1 and BRCA1 in surgically-treated patients with non-small cell lung cancer. Anticancer Research, 2012, 32, 5003-10.	0.5	15
52	A more sensitive detection of micrometastases of NSCLC in lymph nodes using the oneâ€step nucleic acid amplification (OSNA) method. Journal of Surgical Oncology, 2018, 117, 163-170.	0.8	14
53	Testing of a Novel Cancer Metastatic Multiplex Panel for the Detection of Bone-metastatic Disease - a Pilot Study. Anticancer Research, 2016, 36, 1973-8.	0.5	13
54	Change in Serum Lactate Dehydrogenase Is Associated with Outcome of Patients with Advanced-stage NSCLC Treated with Erlotinib. Anticancer Research, 2016, 36, 2459-65.	0.5	13

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55	Anti-Mýllerian hormone in serum and seminal plasma in comparison with other male fertility parameters. Systems Biology in Reproductive Medicine, 2016, 62, 223-226.	1.0	12
56	Thyroid transcription factor 1 expression is associated with outcome of patients with non-squamous non-small cell lung cancer treated with pemetrexed-based chemotherapy. Tumor Biology, 2017, 39, 101042831769118.	0.8	12
57	Blood biomarker panel recommended for personalized prediction, prognosis, and prevention of complications associated with abdominal aortic aneurysm. EPMA Journal, 2019, 10, 125-135.	3.3	12
58	The role of neuron-specific enolase (NSE) and thymidine kinase (TK) levels in prediction of efficacy of EGFR-TKIs in patients with advanced-stage NSCLC [corrected]. Anticancer Research, 2014, 34, 5193-8.	0.5	12
59	Serum Concentration of Erlotinib and its Correlation with Outcome and Toxicity in Patients with Advanced-stage NSCLC. Anticancer Research, 2017, 37, 6469-6476.	0.5	11
60	Evaluation of tumour markers as differential diagnostic tool in patients with suspicion of liver metastases from breast cancer. Anticancer Research, 2011, 31, 1447-51.	0.5	11
61	Assessment of grading in newly-diagnosed glioma using 18F-fluorothymidine PET/CT. Anticancer Research, 2015, 35, 955-9.	0.5	11
62	Procalcitonin levels in peritoneal dialysis patients. Peritoneal Dialysis International, 2005, 25, 470-2.	1.1	10
63	Analysis of preoperative serum levels of MMP1, -2, and -9 in patients with site-specific head and neck squamous cell cancer. Anticancer Research, 2014, 34, 7431-41.	0.5	10
64	Co-deletion of $1p/19q$ as Prognostic and Predictive Biomarker for Patients in West Bohemia with Anaplastic Oligodendroglioma. Anticancer Research, 2016, 36, 471-6.	0.5	10
65	Effects of selenium and tellurium on the activity of selenoenzymes glutathione peroxidase and Type I iodothyronine deiodinase, trace element thyroid level, and thyroid hormone status in rats. Biological Trace Element Research, 2007, 117, 105-114.	1.9	9
66	Serum Vitamin D Status, Vitamin D Receptor Polymorphism, and Glucose Homeostasis in Healthy Subjects. Hormone and Metabolic Research, 2018, 50, 56-64.	0.7	9
67	¹⁸ F-Fluorocholine PET/MRI in Restaging of Prostatic Carcinoma in Relation to PSA Level and Detection of Active Disease. Anticancer Research, 2018, 38, 4139-4143.	0.5	9
68	The Predictive Role of Primary Tumour Sidedness in Metastatic Colorectal Cancer Treated With Targeted Agents. Anticancer Research, 2019, 39, 5645-5652.	0.5	9
69	The potential of miR-499 plasmatic level as a biomarker ofÂobstructive sleep apnea syndrome. Biomarkers in Medicine, 2021, 15, 1011-1019.	0.6	9
70	CEA, CA 15-3, and TPS as Prognostic Factors in the Follow-up Monitoring of Patients After Radical Surgery for Breast Cancer. Anticancer Research, 2018, 38, 465-469.	0.5	9
71	CA125 and HE4 levels in a Czech female population diagnosed with endometrial cancer in preoperative management. Anticancer Research, 2014, 34, 327-31.	0.5	9
72	New treatment paradigm for patients with anaplastic oligodendroglial tumors. Anticancer Research, 2014, 34, 1587-94.	0.5	9

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73	Epidermal Growth Factor Receptor Gene Amplification in Patients with Advanced-stage NSCLC. Anticancer Research, 2016, 36, 455-60.	0.5	9
74	The Role of TPS and TPA in the Diagnostics of Distant Metastases. Anticancer Research, 2016, 36, 773-7.	0.5	9
75	Changes of serum thymidine kinase in children with acute leukemia. Anticancer Research, 2007, 27, 1925-8.	0.5	8
76	Test of ovarian cancer multiplex xMAP technology panel. Anticancer Research, 2009, 29, 573-6.	0.5	8
77	Vitamin D in colorectal, breast, prostate and lung cancer: a pilot study. Anticancer Research, 2011, 31, 3619-21.	0.5	8
78	Plasma TIMP1 level is a prognostic factor in patients with liver metastases. Anticancer Research, 2012, 32, 4601-6.	0.5	8
79	A role of multifactorial evaluation of prostatic 3T MRI in patients with elevated prostatic-specific antigen levels: prospective comparison with ultrasound-guided transrectal biopsy. Anticancer Research, 2013, 33, 2791-5.	0.5	8
80	PHI in the Early Detection of Prostate Cancer. Anticancer Research, 2015, 35, 4855-7.	0.5	8
81	Portal Vein Embolization (PVE) Versus PVE with Haematopoietic Stem Cell Application in Patients with Primarily Non-resectable Colorectal Liver Metastases. Anticancer Research, 2018, 38, 5531-5537.	0.5	7
82	Searching for New Biomarkers and the Use of Multivariate Analysis in Gastric Cancer Diagnostics. Anticancer Research, 2016, 36, 1967-71.	0.5	7
83	Hybrid Imaging PET/CT with Application of 18F-Fluorothymidine in Patients with Head and Neck Carcinoma Undergoing Radiotherapy. Anticancer Research, 2018, 38, 4153-4157.	0.5	6
84	Association of miR-125b, miR-17 and let-7c Dysregulations With Response to Anti-epidermal Growth Factor Receptor Monoclonal Antibodies in Patients With Metastatic Colorectal Cancer. Cancer Genomics and Proteomics, 2020, 17, 605-613.	1.0	6
85	Quantitative estimation of CEA and CK20 expression in tumour tissue of colorectal cancer and its liver metastases with reverse transcription and real-time PCR. Anticancer Research, 2006, 26, 803-8.	0.5	6
86	Growth factors and breast tumors, comparison of selected growth factors with traditional tumor markers. Anticancer Research, 2011, 31, 4653-6.	0.5	6
87	Prognostic Significance of Serum Tumor Markers in Patients with Advanced-stage NSCLC Treated with Pemetrexed-based Chemotherapy. Anticancer Research, 2016, 36, 461-6.	0.5	6
88	Predictive Value of Growth Factors and Interleukins for Future Liver Remnant Volume and Colorectal Liver Metastasis Volume Growth Following Portal Vein Embolization and Autologous Stem Cell Application. Anticancer Research, 2016, 36, 1901-7.	0.5	6
89	Circulating Growth and Angiogenic Factors and Lymph Node Status in Early-stage Breast Cancer - A Pilot Study. Anticancer Research, 2016, 36, 4209-14.	0.5	6
90	Defining the seriousness of proliferative vitreoretinopathy by aspiration of cytokines from the anterior chamber. Biomarkers in Medicine, 2013, 7, 759-767.	0.6	5

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91	The Association of Serum Carcinoembryonic Antigen, Carbohydrate Antigen 19-9, Thymidine Kinase, and Tissue Polypeptide Specific Antigen with Outcomes of Patients with Metastatic Colorectal Cancer Treated with Bevacizumab: a Retrospective Study. Targeted Oncology, 2015, 10, 549-555.	1.7	5
92	Importance of Preoperative Knowledge of the Biomarker HE4 in Early-stage Endometrial Cancer Regarding Surgical Management. Anticancer Research, 2017, 37, 2697-2702.	0.5	5
93	Effects of Carrier Solution on Insulin Bioavailability. Journal of Parenteral and Enteral Nutrition, 2004, 28, 439-441.	1.3	4
94	Postprandial Oxidative Stress and Gastrointestinal Hormones: Is There a Link?. PLoS ONE, 2014, 9, e103565.	1.1	4
95	Pre-graduate and post-graduate education in personalized medicine in the Czech Republic: statistics, analysis and recommendations. EPMA Journal, 2014, 5, 22.	3.3	4
96	Perioperative Tumour Marker Levels as Prognostic Factors for Surgical Treatment of Breast Cancer Liver Metastases. Anticancer Research, 2018, 38, 3647-3652.	0.5	4
97	Prognostic Role for CYFRA 21-1 in Patients With Advanced-stage NSCLC Treated With Bevacizumab Plus Chemotherapy. Anticancer Research, 2021, 41, 2053-2058.	0.5	4
98	Predicting Response of Ovarian Cancer to Paclitaxel Treatment Based on Trend Analysis of Serum CA125. Clinical Chemistry, 2002, 48, 1364-1367.	1.5	3
99	Optimal Use of Biomarkers in Oncology. BioMed Research International, 2015, 2015, 1-2.	0.9	3
100	Prognostic Significance of Lymph Node Examination by the OSNA Method in Lung Cancer Patientsâ€"Comparison with the Standard Histopathological Procedure. Cells, 2020, 9, 2611.	1.8	3
101	Prostate Cancer Diagnostic Algorithm as a "Road Map―from the First Stratification of the Patient to the Final Treatment Decision. Life, 2021, 11, 324.	1.1	3
102	Serum Levels of IGF-1 and IGFBP-3 in Relation to Clinical and Pathobiological Aspects of Head and Neck Squamous Cell Carcinomas. Anticancer Research, 2017, 37, 3281-3286.	0.5	3
103	Predictive Significance of Thymidylate Synthase Expression in Non-small Cell Lung Cancer. Anticancer Research, 2017, 37, 6953-6958.	0.5	3
104	Predictive value of serum biomarkers in patients after portal vein embolization (PVE): a pilot study. Anticancer Research, 2011, 31, 339-44.	0.5	3
105	Portal vein embolisation with application of haematopoietic stem cells in patients with primarily or non-resectable colorectal liver metastases. Anticancer Research, 2014, 34, 7279-85.	0.5	3
106	The Association of Baseline Serum Tumour Markers with Outcome of Patients with Metastatic Colorectal Cancer Treated with Anti-EGFR Monoclonal Antibodies in the First Line. Journal of Cancer, 2018, 9, 4255-4262.	1.2	2
107	An Assessment of Novel Biomarkers in Bone Metastatic Disease Using Multiplex Measurement and Multivariate Analysis. Technology in Cancer Research and Treatment, 2018, 17, 153303381880746.	0.8	2
108	A Comparison of ¹⁸ F-FDG-PET/MRI and ¹⁸ F-FDG-PET/CT in the Cancer Staging of Locoregional Lymph Nodes. In Vivo, 2020, 34, 2029-2032.	0.6	2

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109	Predicting response of ovarian cancer to paclitaxel treatment based on trend analysis of serum CA125. Clinical Chemistry, 2002, 48, 1364-7.	1.5	2
110	Pemetrexed Versus Erlotinib in the Second-line Treatment of Patients with Advanced-stage Non-squamous NSCLC Harboring Wild-type EGFR Gene. Anticancer Research, 2016, 36, 447-53.	0.5	2
111	The Usefulness of Tumor Markers in Patients with Colorectal Carcinoma for the Detection of Local Recurrences and Distant Metastases. Coloproctology, 2001, 23, 26-31.	0.3	1
112	The predictive potential of asymptomatic mild elevation of cardiac troponin I on mortality risk of stable patients with vascular disease. Clinical Biochemistry, 2015, 48, 353-357.	0.8	1
113	Effects of Icodextrin and Glucose Bicarbonate/Lactateâ€Buffered Peritoneal Dialysis Fluids on Effluent Cell Population and Biocompatibility Markers ILâ€6 and CA125 in Incident Peritoneal Dialysis Patients. Therapeutic Apheresis and Dialysis, 2016, 20, 149-157.	0.4	1
114	Outcomes and Prognostic Factors Following Surgical Treatment of Pulmonary Metastases from Colorectal Carcinoma. Anticancer Research, 2020, 40, 7045-7051.	0.5	1
115	Synergistic effect of sclerostin and angiotensin II receptor 1 polymorphism on arterial stiffening. Biomarkers in Medicine, 2020, 14 , $173-184$.	0.6	1
116	Prognostic Factors After Surgical Treatment of Liver Metastases from Breast Cancer – 19 Years of Experience. In Vivo, 2021, 35, 417-422.	0.6	1
117	The Use of CT Pattern in Differentiating Non-invasive, Minimally Invasive and Invasive Variants of Lung Adenocarcinoma. Anticancer Research, 2021, 41, 4479-4482.	0.5	1
118	"Young Stroke―Risks Potentially Linked to the Flammer Syndrome Phenotype: Facts and Hypotheses. Advances in Predictive, Preventive and Personalised Medicine, 2019, , 165-181.	0.6	1
119	lodine Content Analysis Using Dual-Energy Computed Tomography as a Biomarker of Transitional Cell Carcinoma, an Experience with Separation of the Clotted Blood and Tumorous Tissue. Anticancer Research, 2018, 38, 541-545.	0.5	1
120	Recurrence of colorectal liver metastases after surgical treatment: multifactorial study. Hepato-Gastroenterology, 2007, 54, 1741-4.	0.5	1
121	Surgical treatment of colorectal cancer pulmonary metastases: 12-year results. Anticancer Research, 2014, 34, 4239-45.	0.5	1
122	Prognostic significance of TIMP-1 in non-small cell lung cancer. Lung Cancer, 2012, 77, S39-S40.	0.9	0
123	Pretreatment Serum Levels of Soluble Cytokeratin Fragments (Cyfra 21-1, TPS, MonoTotal) in Relation to Clinical and Pathobiological Aspects of Head and Neck Squamous Cell Carcinomas. Anticancer Research, 2019, 39, 5171-5177.	0.5	0
124	The Role of Serum Tumor Markers in Follow-up After Surgical Treatment of Malignant Lung Tumors. Anticancer Research, 2021, 41, 5117-5122.	0.5	0
125	An Overview of the Healthcare System in the Czech Republic with Respect to Predictive, Preventive and Personalized Medicine. Advances in Predictive, Preventive and Personalised Medicine, 2012, , 95-110.	0.6	0
126	Computed tomography-based assessment of bone mineral density in patients treated with peritoneal dialysis. Peritoneal Dialysis International, 2003, 23, 601-3.	1.1	0

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127	The role of MonoTotal in the primary diagnosis, prognosis and follow-up of patients with non-small cell lung cancer (NSCLC). Anticancer Research, 2011, 31, 3107-12.	0.5	0