

Rainer J. Klement

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

2,952
citations

147801

31
h-index

189892

50
g-index

116
all docs

116
docs citations

116
times ranked

3439
citing authors

#	ARTICLE	IF	CITATIONS
1	Is there a role for carbohydrate restriction in the treatment and prevention of cancer?. Nutrition and Metabolism, 2011, 8, 75.	3.0	158
2	The SBRT database initiative of the German Society for Radiation Oncology (DEGRO): patterns of care and outcome analysis of stereotactic body radiotherapy (SBRT) for liver oligometastases in 474 patients with 623 metastases. BMC Cancer, 2018, 18, 283.	2.6	115
3	Beneficial effects of ketogenic diets for cancer patients: a realist review with focus on evidence and confirmation. Medical Oncology, 2017, 34, 132.	2.5	113
4	Applicability of the linear-quadratic formalism for modeling local tumor control probability in high dose per fraction stereotactic body radiotherapy for early stage non-small cell lung cancer. Radiotherapy and Oncology, 2013, 109, 13-20.	0.6	103
5	Local tumor control probability modeling of primary and secondary lung tumors in stereotactic body radiotherapy. Radiotherapy and Oncology, 2016, 118, 485-491.	0.6	101
6	Anti-Tumor Effects of Ketogenic Diets in Mice: A Meta-Analysis. PLoS ONE, 2016, 11, e0155050.	2.5	97
7	Calories, carbohydrates, and cancer therapy with radiation: exploiting the five R TM s through dietary manipulation. Cancer and Metastasis Reviews, 2014, 33, 217-229.	5.9	91
8	Impact of Different Types of Diet on Gut Microbiota Profiles and Cancer Prevention and Treatment. Medicina (Lithuania), 2019, 55, 84.	2.0	86
9	Stereotactic body radiotherapy for oligo-metastatic liver disease – Influence of pre-treatment chemotherapy and histology on local tumor control. Radiotherapy and Oncology, 2017, 123, 227-233.	0.6	85
10	Dietary and pharmacological modification of the insulin/IGF-1 system: exploiting the full repertoire against cancer. Oncogenesis, 2016, 5, e193-e193.	4.9	82
11	Impact of a ketogenic diet intervention during radiotherapy on body composition: I. Initial clinical experience with six prospectively studied patients. BMC Research Notes, 2016, 9, 143.	1.4	77
12	Identifying Stellar Streams in the First RAVE Public Data Release. Astrophysical Journal, 2008, 685, 261-271.	4.5	70
13	A Giant Planet Around a Metal-Poor Star of Extragalactic Origin. Science, 2010, 330, 1642-1644.	12.6	70
14	HALO STREAMS IN THE SEVENTH SLOAN DIGITAL SKY SURVEY DATA RELEASE. Astrophysical Journal, 2009, 698, 865-894.	4.5	69
15	The impact of local control on overall survival after stereotactic body radiotherapy for liver and lung metastases from colorectal cancer: a combined analysis of 388 patients with 500 metastases. BMC Cancer, 2019, 19, 173.	2.6	68
16	THE KINEMATICS OF LATE-TYPE STARS IN THE SOLAR CYLINDER STUDIED WITH SDSS DATA. Astronomical Journal, 2009, 137, 4149-4159.	4.7	61
17	Contamination by field late-M, L, and T dwarfs in deep surveys. Astronomy and Astrophysics, 2008, 488, 181-190.	5.1	59
18	Lack of a Dose-Effect Relationship for Pulmonary Function Changes After Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2013, 85, 1074-1081.	0.8	57

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19	Support Vector Machine-Based Prediction of Local Tumor Control After Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 732-738.	0.8	54
20	Ketogenic diets in medical oncology: a systematic review with focus on clinical outcomes. <i>Medical Oncology</i> , 2020, 37, 14.	2.5	54
21	The emerging role of ketogenic diets in cancer treatment. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2019, 22, 129-134.	2.5	51
22	Potential Protective Mechanisms of Ketone Bodies in Migraine Prevention. <i>Nutrients</i> , 2019, 11, 811.	4.1	45
23	OBSERVATIONAL EVIDENCE FROM SDSS FOR A MERGER ORIGIN OF THE MILKY WAY'S THICK DISK. <i>Astrophysical Journal Letters</i> , 2010, 725, L186-L190.	8.3	42
24	Fasting, Fats, and Physics: Combining Ketogenic and Radiation Therapy against Cancer. <i>Complementary Medicine Research</i> , 2018, 25, 102-113.	1.2	41
25	Correlating Dose Variables with Local Tumor Control in Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer: A Modeling Study on 1500 Individual Treatments. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 579-586.	0.8	40
26	Halo streams in the solar neighborhood. <i>Astronomy and Astrophysics Review</i> , 2010, 18, 567-594.	25.5	39
27	Impact of a ketogenic diet intervention during radiotherapy on body composition: III—final results of the KETOCOMP study for breast cancer patients. <i>Breast Cancer Research</i> , 2020, 22, 94.	5.0	39
28	Stereotactic body radiotherapy (SBRT) for multiple pulmonary oligometastases: Analysis of number and timing of repeat SBRT as impact factors on treatment safety and efficacy. <i>Radiotherapy and Oncology</i> , 2018, 127, 246-252.	0.6	36
29	Beta-hydroxybutyrate (3-OHB) can influence the energetic phenotype of breast cancer cells, but does not impact their proliferation and the response to chemotherapy or radiation. <i>Cancer & Metabolism</i> , 2018, 6, 8.	5.0	36
30	Impact of a ketogenic diet intervention during radiotherapy on body composition: II. Protocol of a randomised phase I study (KETOCOMP). <i>Clinical Nutrition ESPEN</i> , 2016, 12, e1-e6.	1.2	35
31	The influence of ketogenic therapy on the 5 R ⁺ ™s of radiobiology. <i>International Journal of Radiation Biology</i> , 2019, 95, 394-407.	1.8	33
32	The sedentary (r)evolution: Have we lost our metabolic flexibility?. <i>F1000Research</i> , 2017, 6, 1787.	1.6	32
33	THE PHOTOMETRIC CLASSIFICATION SERVER FOR Pan-STARRS1. <i>Astrophysical Journal</i> , 2012, 746, 128.	4.5	31
34	A ketogenic diet exerts beneficial effects on body composition of cancer patients during radiotherapy: An interim analysis of the KETOCOMP study. <i>Journal of Traditional and Complementary Medicine</i> , 2020, 10, 180-187.	2.7	31
35	Short-term effects of a Paleolithic lifestyle intervention in breast cancer patients undergoing radiotherapy: a pilot and feasibility study. <i>Medical Oncology</i> , 2021, 38, 1.	2.5	31
36	Vitamin D Resistance as a Possible Cause of Autoimmune Diseases: A Hypothesis Confirmed by a Therapeutic High-Dose Vitamin D Protocol. <i>Frontiers in Immunology</i> , 2021, 12, 655739.	4.8	30

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37	Prediction of Early Death in Patients with Early-Stage NSCLC—Can We Select Patients without a Potential Benefit of SBRT as a Curative Treatment Approach?. <i>Journal of Thoracic Oncology</i> , 2016, 11, 1132-1139.	1.1	29
38	The sedentary (r)evolution: Have we lost our metabolic flexibility?. <i>F1000Research</i> , 2017, 6, 1787.	1.6	27
39	Low Carb and Ketogenic Diets Increase Quality of Life, Physical Performance, Body Composition, and Metabolic Health of Women with Breast Cancer. <i>Nutrients</i> , 2021, 13, 1029.	4.1	27
40	Restricting carbohydrates to fight head and neck cancer-is this realistic?. <i>Cancer Biology and Medicine</i> , 2014, 11, 145-61.	3.0	26
41	Radiobiological parameters of liver and lung metastases derived from tumor control data of 3719 metastases. <i>Radiotherapy and Oncology</i> , 2017, 123, 218-226.	0.6	25
42	A ketogenic diet consumed during radiotherapy improves several aspects of quality of life and metabolic health in women with breast cancer. <i>Clinical Nutrition</i> , 2021, 40, 4267-4274.	5.0	25
43	Stereotactic or conformal radiotherapy for adrenal metastases: Patient characteristics and outcomes in a multicenter analysis. <i>International Journal of Cancer</i> , 2021, 149, 358-370.	5.1	24
44	The Safety of COVID-19 Vaccinations—We Should Rethink the Policy. <i>Vaccines</i> , 2021, 9, 693.	4.4	23
45	Corticosteroids compromise survival in glioblastoma in part through their elevation of blood glucose levels. <i>Brain</i> , 2017, 140, aww324.	7.6	22
46	Application of Bayesian evidence synthesis to modelling the effect of ketogenic therapy on survival of high grade glioma patients. <i>Theoretical Biology and Medical Modelling</i> , 2018, 15, 12.	2.1	22
47	Estimation of the $\hat{I} \pm \hat{I}^2$ ratio of non-small cell lung cancer treated with stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2020, 142, 210-216.	0.6	22
48	Calorie or Carbohydrate Restriction? The Ketogenic Diet as Another Option for Supportive Cancer Treatment. <i>Oncologist</i> , 2013, 18, 1056-1056.	3.7	20
49	Fortifying the Treatment of Prostate Cancer with Physical Activity. <i>Prostate Cancer</i> , 2016, 2016, 1-11.	0.6	19
50	Bayesian Cure Rate Modeling of Local Tumor Control: Evaluation in Stereotactic Body Radiation Therapy for Pulmonary Metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 841-849.	0.8	19
51	Systems Thinking About SARS-CoV-2. <i>Frontiers in Public Health</i> , 2020, 8, 585229.	2.7	19
52	Assessing Changes in the Activity Levels of Breast Cancer Patients During Radiation Therapy. <i>Clinical Breast Cancer</i> , 2018, 18, e1-e6.	2.4	18
53	Risk factors for vertebral compression fracture after spine stereotactic body radiation therapy: Long-term results of a prospective phase 2 study. <i>Radiotherapy and Oncology</i> , 2019, 141, 62-66.	0.6	18
54	Photometric identification of blue horizontal branch stars. <i>Astronomy and Astrophysics</i> , 2010, 522, A88.	5.1	16

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55	CLASSIFICATION OF FIELD DWARFS AND GIANTS IN RAVE AND ITS USE IN STELLAR STREAM DETECTION. <i>Astrophysical Journal</i> , 2011, 726, 103.	4.5	16
56	Impact of a ketogenic diet intervention during radiotherapy on body composition: IV. Final results of the KETOCOMP study for rectal cancer patients. <i>Clinical Nutrition</i> , 2021, 40, 4674-4684.	5.0	16
57	Wilhelm BrÄ¼nings' forgotten contribution to the metabolic treatment of cancer utilizing hypoglycemia and a very low carbohydrate (ketogenic) diet. <i>Journal of Traditional and Complementary Medicine</i> , 2019, 9, 192-200.	2.7	15
58	Mimicking caloric restriction: what about macronutrient manipulation? A response to Meynet and Ricci. <i>Trends in Molecular Medicine</i> , 2014, 20, 471-472.	6.7	14
59	The inflammation paradox: Why are Tsimane protected against Western diseases while Westerners are not?. <i>F1000Research</i> , 2018, 7, 252.	1.6	14
60	Reanalysis of the FEROS observations of HIP 11952. <i>Astronomy and Astrophysics</i> , 2013, 556, A3.	5.1	13
61	Ketogenic diets consumed during radio-chemotherapy have beneficial effects on quality of life and metabolic health in patients with rectal cancer. <i>European Journal of Nutrition</i> , 2022, 61, 69-84.	3.9	13
62	TKTL1 expression in human malign and benign cell lines. <i>BMC Cancer</i> , 2015, 15, 2.	2.6	11
63	Need for new review of article on ketogenic dietary regimes for cancerÄpatients. <i>Medical Oncology</i> , 2017, 34, 108.	2.5	11
64	The Impact of Serum Glucose, Anti-Diabetic Agents, and Statin Usage in Non-small Cell Lung Cancer Patients Treated With Definitive Chemoradiation. <i>Frontiers in Oncology</i> , 2018, 8, 281.	2.8	11
65	Kinematics of stellar populations with RAVE data. <i>New Astronomy</i> , 2012, 17, 22-33.	1.8	10
66	AÄfatal case of FournierÄ™s gangrene during neoadjuvant radiotherapy for rectal cancer. <i>Strahlentherapie Und Onkologie</i> , 2019, 195, 441-446.	2.0	10
67	The SARS-CoV-2 crisis: A crisis of reductionism?. <i>Public Health</i> , 2020, 185, 70-71.	2.9	10
68	Planetary companions around the metal-poor star HIP 11952. <i>Astronomy and Astrophysics</i> , 2012, 540, A141.	5.1	8
69	External validation of a prognostic score predicting overall survival for patients with brain metastases based on extracranial factors. <i>Clinical and Translational Radiation Oncology</i> , 2019, 16, 15-20.	1.7	8
70	The Epistemology of a Positive SARS-CoV-2 Test. <i>Acta Biotheoretica</i> , 2021, 69, 359-375.	1.5	8
71	Emergence and Evidence: A Close Look at BungeÄ™s Philosophy of Medicine. <i>Philosophies</i> , 2019, 4, 50.	0.7	7
72	The Impact of Serum Glucose in the Treatment of Locoregionally Advanced Pancreatic Cancer. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2019, 42, 692-697.	1.3	7

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73	High-dose re-irradiation of intracranial lesions – Efficacy and safety including dosimetric analysis based on accumulated EQD2Gy dose calculation. <i>Clinical and Translational Radiation Oncology</i> , 2021, 27, 132-138.	1.7	7
74	Accelerated hyperfractionated radiochemotherapy with temozolomide is equivalent to normofractionated radiochemotherapy in a retrospective analysis of patients with glioblastoma. <i>Radiation Oncology</i> , 2019, 14, 227.	2.7	6
75	Commentary on –Strong adverse prognostic impact of hyperglycemic episodes during adjuvant chemoradiotherapy of glioblastoma multiforme–. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 281-282.	2.0	5
76	Problems associated with a highly artificial ketogenic diet: Letter to the Editor Re: van der Louw EJTM, Olieman JF, van den Bemt PMLA, et al. –Ketogenic diet treatment as adjuvant to standard treatment of glioblastoma multiforme: a feasibility and safety study–™. <i>Therapeutic Advances in Medical Oncology</i> , 2019, 11, 175883591987926.	3.2	5
77	Impact of a–ketogenic diet intervention during radiotherapy on body composition: V.–Final results of the KETOCOMP study for head and neck cancer patients. <i>Strahlentherapie Und Onkologie</i> , 2022, 198, 981-993.	2.0	5
78	When is a Ketogenic Diet Ketogenic? Comment on –Satiating Effect of a Ketogenic Diet and Its Impact on Muscle Improvement and Oxidation State in Multiple Sclerosis Patients, <i>Nutrients</i> 2019, 11, 1156–. <i>Nutrients</i> , 2019, 11, 1909.	4.1	4
79	Assessing successful completion of calorie restriction studies for the prevention and treatment of cancer. <i>Nutrition</i> , 2020, 78, 110829.	2.4	4
80	Low Vitamin D Status in a Cancer Patient Population from Franconia, Germany. <i>Complementary Medicine Research</i> , 2021, 28, 300-307.	1.2	3
81	A Planetary Companion around a Metal-Poor Star with Extragalactic Origin. , 2011, , .		2
82	In Regard to Britton et–al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 1282-1283.	0.8	2
83	Comment to Impact of postmastectomy radiotherapy on the outcomes of breast cancer patients with T1-2 N1 disease; an individual patient data analysis of three clinical trials. <i>Strahlentherapie Und Onkologie</i> , 2019, 195, 306-307.	2.0	2
84	The SARS-CoV-2 Crisis: Has Medicine Finally Entered a Reductionist Era?. <i>Complementary Medicine Research</i> , 2020, 27, 207-208.	1.2	2
85	Addressing the controversial role of ketogenic diets in cancer treatment. <i>Expert Review of Anticancer Therapy</i> , 2020, 20, 329-332.	2.4	2
86	The risk–benefit ratio of Covid–19 vaccines: Publication policy by retraction does nothing to improve it. <i>Clinical and Translational Discovery</i> , 2022, 2, e35.	0.5	2
87	The visitor from an ancient galaxy: A planetary companion around an old, metal-poor red horizontal branch star. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 121-125.	0.0	1
88	Diazoxide for Lowering Insulin Levels in Breast Cancer Patients. <i>Oncologist</i> , 2017, 22, 491-491.	3.7	1
89	In Regard to Ohri et–al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 249-250.	0.8	1
90	The inflammation paradox: Why are Tsimane protected against Western diseases while Westerners are not?. <i>F1000Research</i> , 2018, 7, 252.	1.6	1

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91	Bayes Lines Tool (BLT): A SQL-script for analyzing diagnostic test results with an application to SARS-CoV-2-testing. F1000Research, 0, 10, 369.	1.6	1
92	(P095) Assessing Changes in the Activity Levels of Breast Cancer Patients During Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2017, 98, E41.	0.8	0
93	Editorial: Presenting the Proceedings of the 6th symposium of the Society for Evolutionary Medicine and Health (EMG). Journal of Evolution and Health, 2018, 3, .	0.2	0
94	Face masks in radiation oncology clinics: based on evidence or source of mistakes?. Medical Oncology, 2020, 37, 76.	2.5	0
95	Comments on "Inhibition of the ketolytic acetyl CoA supply to tumors could be their Achilles heel". International Journal of Cancer, 2020, 147, 3262-3263.	5.1	0
96	How to dismantle modern stressors: does a short trip to simulated Paleolithic conditions in the wild reduce cortisol levels?. F1000Research, 0, 10, 238.	1.6	0
97	Accelerated hyper-versus normofractionated radiochemotherapy with temozolomide in patients with glioblastoma: a multicenter retrospective analysis. Journal of Neuro-Oncology, 2022, 156, 407-417.	2.9	0