

Nobuyuki Kanematsu

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.

127
papers

2,126
citations

26
h-index

39
g-index

142
ext. papers

2,428
ext. citations

3.2
avg, IF

4.6
L-index

#	Paper	IF	Citations
127	Application of lung substitute material as ripple filter for multi-ion therapy with helium-, carbon-, oxygen-, and neon-ion beams. <i>Physics in Medicine and Biology</i> , 2021 ,	3.8	1
126	Experimental validation of stochastic microdosimetric kinetic model for multi-ion therapy treatment planning with helium-, carbon-, oxygen-, and neon-ion beams. <i>Physics in Medicine and Biology</i> , 2020 , 65, 045005	3.8	17
125	Unresectable Chondrosarcomas Treated With Carbon Ion Radiotherapy: Relationship Between Dose-averaged Linear Energy Transfer and Local Recurrence. <i>Anticancer Research</i> , 2020 , 40, 6429-6435	2.3	2
124	Effect of External Magnetic Fields on Biological Effectiveness of Proton Beams. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 106, 597-603	4	4
123	Nuclear-interaction correction for patient dose calculations in treatment planning of helium-, carbon-, oxygen-, and neon-ion beams. <i>Physics in Medicine and Biology</i> , 2020 , 65, 025004	3.8	4
122	Dose-averaged linear energy transfer per se does not correlate with late rectal complications in carbon-ion radiotherapy. <i>Radiotherapy and Oncology</i> , 2020 , 153, 272-278	5.3	4
121	Effects of Magnetic Field Applied Just Before, During or Immediately after Carbon-Ion Beam Irradiation on its Biological Effectiveness. <i>Radiation Research</i> , 2019 , 192, 662-665	3.1	1
120	Enhancement of biological effectiveness of carbon-ion beams by applying a longitudinal magnetic field. <i>International Journal of Radiation Biology</i> , 2019 , 95, 720-724	2.9	8
119	Influence of a perpendicular magnetic field on biological effectiveness of carbon-ion beams. <i>International Journal of Radiation Biology</i> , 2019 , 95, 1346-1350	2.9	4
118	New technologies for carbon-ion radiotherapy [Developments at the National Institute of Radiological Sciences, QST, Japan. <i>Radiation Physics and Chemistry</i> , 2019 , 162, 90-95	2.5	4
117	4.2.4 Broad Beam Versus Pencil Beam. <i>Radioisotopes</i> , 2019 , 68, 383-387	0.1	
116	4.2.5 Dose Distribution Calculation Algorithm in Treatment Planning. <i>Radioisotopes</i> , 2019 , 68, 389-394	0.1	
115	Technical Note: Reconstruction of physical and biological dose distributions of carbon-ion beam through deconvolution of longitudinal dosimeter responses. <i>Medical Physics</i> , 2019 , 46, 1478-1482	4.4	2
114	External dosimetry audit for quality assurance of carbon-ion radiation therapy clinical trials. <i>Journal of Applied Clinical Medical Physics</i> , 2019 , 20, 31-36	2.3	3
113	Optimum size of a calibration phantom for x-ray CT to convert the Hounsfield units to stopping power ratios in charged particle therapy treatment planning. <i>Journal of Radiation Research</i> , 2018 , 59, 216-224	2.4	1
112	Estimation of linear energy transfer distribution for broad-beam carbon-ion radiotherapy at the National Institute of Radiological Sciences, Japan. <i>Radiological Physics and Technology</i> , 2018 , 11, 242-247	1.7	3
111	Adaptation of stochastic microdosimetric kinetic model for charged-particle therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2018 , 63, 095011	3.8	21

110	An evaluation method of clinical impact with setup, range, and radiosensitivity uncertainties in fractionated carbon-ion therapy. <i>Physics in Medicine and Biology</i> , 2018 , 63, 135003	3.8	1
109	Biological dose representation for carbon-ion radiotherapy of unconventional fractionation. <i>Physics in Medicine and Biology</i> , 2017 , 62, 1062-1075	3.8	3
108	Recent progress and future plans of heavy-ion cancer radiotherapy with HIMAC. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 406, 374-378	1.2	11
107	Treatment planning of intensity modulated composite particle therapy with dose and linear energy transfer optimization. <i>Physics in Medicine and Biology</i> , 2017 , 62, 5180-5197	3.8	56
106	How should we manage internal margins in four-dimensional dose assessments?. <i>Radiological Physics and Technology</i> , 2017 , 10, 535-537	1.7	
105	Carbon-ion re-irradiation for recurrences after initial treatment of stage I non-small cell lung cancer with carbon-ion radiotherapy. <i>Radiotherapy and Oncology</i> , 2017 , 125, 31-35	5.3	9
104	Modeling of body tissues for Monte Carlo simulation of radiotherapy treatments planned with conventional x-ray CT systems. <i>Physics in Medicine and Biology</i> , 2016 , 61, 5037-50	3.8	20
103	A robustness analysis method with fast estimation of dose uncertainty distributions for carbon-ion therapy treatment planning. <i>Physics in Medicine and Biology</i> , 2016 , 61, 5818-36	3.8	4
102	Dose prescription in carbon ion radiotherapy: How to compare two different RBE-weighted dose calculation systems. <i>Radiotherapy and Oncology</i> , 2016 , 120, 307-12	5.3	43
101	A dose calculation algorithm with correction for proton-nucleus interactions in non-water materials for proton radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2016 , 61, 67-89	3.8	5
100	Effective particle energies for stopping power calculation in radiotherapy treatment planning with protons and helium, carbon, and oxygen ions. <i>Physics in Medicine and Biology</i> , 2016 , 61, N542-N550	3.8	12
99	Estimation of late rectal normal tissue complication probability parameters in carbon ion therapy for prostate cancer. <i>Radiotherapy and Oncology</i> , 2016 , 118, 136-40	5.3	17
98	A trichrome beam model for biological dose calculation in scanned carbon-ion radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2015 , 60, 437-51	3.8	28
97	Nuclear-interaction correction of integrated depth dose in carbon-ion radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2015 , 60, 421-35	3.8	21
96	Reformulation of a clinical-dose system for carbon-ion radiotherapy treatment planning at the National Institute of Radiological Sciences, Japan. <i>Physics in Medicine and Biology</i> , 2015 , 60, 3271-86	3.8	128
95	Effects of beam interruption time on tumor control probability in single-fractionated carbon-ion radiotherapy for non-small cell lung cancer. <i>Physics in Medicine and Biology</i> , 2015 , 60, 4105-21	3.8	15
94	Influence of nuclear interactions in body tissues on tumor dose in carbon-ion radiotherapy. <i>Medical Physics</i> , 2015 , 42, 7132-7	4.4	8
93	Recent progress of HIMAC for sophisticated heavy-ion cancer radiotherapy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 331, 6-9	1.2	13

92	Influence of nuclear interactions in polyethylene range compensators for carbon-ion radiotherapy. <i>Medical Physics</i> , 2014 , 41, 071704	4.4	3
91	Implementation of a triple Gaussian beam model with subdivision and redefinition against density heterogeneities in treatment planning for scanned carbon-ion radiotherapy. <i>Physics in Medicine and Biology</i> , 2014 , 59, 5361-86	3.8	42
90	Treatment Planning of Carbon-Ion Radiotherapy 2014 , 87-97		2
89	Effects of dose-delivery time structure on biological effectiveness for therapeutic carbon-ion beams evaluated with microdosimetric kinetic model. <i>Radiation Research</i> , 2013 , 180, 44-59	3.1	45
88	Evaluation of plastic materials for range shifting, range compensation, and solid-phantom dosimetry in carbon-ion radiotherapy. <i>Medical Physics</i> , 2013 , 40, 041724	4.4	10
87	Relationship between electron density and effective densities of body tissues for stopping, scattering, and nuclear interactions of proton and ion beams. <i>Medical Physics</i> , 2012 , 39, 1016-20	4.4	28
86	Evaluation of hybrid depth scanning for carbon-ion radiotherapy. <i>Medical Physics</i> , 2012 , 39, 2820-5	4.4	56
85	Recent progress on new treatment research project at HIMAC. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011 , 269, 2924-2927	1.2	7
84	Four-dimensional lung treatment planning in layer-stacking carbon ion beam treatment: comparison of layer-stacking and conventional ungated/gated irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 597-607	4	13
83	Dose calculation algorithm of fast fine-heterogeneity correction for heavy charged particle radiotherapy. <i>Physica Medica</i> , 2011 , 27, 97-102	2.7	16
82	Modeling of beam customization devices in the pencil-beam splitting algorithm for heavy charged particle radiotherapy. <i>Physics in Medicine and Biology</i> , 2011 , 56, 1361-71	3.8	5
81	Optimization algorithm for overlapping-field plans of scanned ion beam therapy with reduced sensitivity to range and setup uncertainties. <i>Physics in Medicine and Biology</i> , 2011 , 56, 1653-69	3.8	16
80	A robust algorithm of intensity modulated proton therapy for critical tissue sparing and target coverage. <i>Physics in Medicine and Biology</i> , 2011 , 56, 4749-70	3.8	29
79	Recent innovations in carbon-ion radiotherapy. <i>Journal of Radiation Research</i> , 2010 , 51, 385-92	2.4	31
78	A treatment planning strategy for heavy-charged-particle radiotherapy of lung cancer by the use of computed tomography with projection data-based temporal maximum-intensity projection. <i>Radiological Physics and Technology</i> , 2010 , 3, 58-64	1.7	
77	Dynamic splitting of Gaussian pencil beams in heterogeneity-correction algorithms for radiotherapy with heavy charged particles. <i>Physics in Medicine and Biology</i> , 2009 , 54, 2015-27	3.8	23
76	Semi-empirical formulation of multiple scattering for the Gaussian beam model of heavy charged particles stopping in tissue-like matter. <i>Physics in Medicine and Biology</i> , 2009 , 54, N67-73	3.8	26
75	Recent progress in emulsion technology to study fragmentation reactions of high energetic ion beams. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 997-1000	1.2	4

74	Carbon-ion radiotherapy: clinical aspects and related dosimetry. <i>Radiation Protection Dosimetry</i> , 2009 , 137, 149-55	0.9	7
73	Development of an irradiation method with lateral modulation of SOBP width using a cone-type filter for carbon ion beams. <i>Medical Physics</i> , 2009 , 36, 2222-7	4.4	4
72	SU-FF-T-626: Dynamic Splitting of Gaussian Pencil Beams in Heterogeneity-Correction Algorithms for Radiotherapy with Heavy Charged Particles. <i>Medical Physics</i> , 2009 , 36, 2669-2669	4.4	1
71	Computational modeling of beam-customization devices for heavy-charged-particle radiotherapy. <i>Physics in Medicine and Biology</i> , 2008 , 53, 3113-27	3.8	16
70	The grid-dose-spreading algorithm for dose distribution calculation in heavy charged particle radiotherapy. <i>Medical Physics</i> , 2008 , 35, 602-7	4.4	14
69	Measurements of projectile-like Be8 and B9 production in 200-400 MeV/nucleon C12 on water. <i>Physical Review C</i> , 2008 , 78,	2.7	10
68	Evaluation of beam wobbling methods for heavy-ion radiotherapy. <i>Medical Physics</i> , 2008 , 35, 927-38	4.4	31
67	Alternative scattering power for Gaussian beam model of heavy charged particles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 5056-5062	1.2	28
66	Dosimetric evaluation of nuclear interaction models in the Geant4 Monte Carlo simulation toolkit for carbon-ion radiotherapy. <i>Radiological Physics and Technology</i> , 2008 , 1, 183-7	1.7	14
65	Compact carbon-therapy facility and next-generation irradiation scheme. <i>Radiation Physics and Chemistry</i> , 2008 , 77, 1148-1152	2.5	
64	SU-GG-T-498: Computational Modeling of Beam-Customization Devices for Heavy-Charged-Particle Radiotherapy. <i>Medical Physics</i> , 2008 , 35, 2839-2839	4.4	
63	Specification of Carbon Ion Dose at the National Institute of Radiological Sciences (NIRS). <i>Journal of Radiation Research</i> , 2007 , 48 Suppl A, A81-6	2.4	57
62	Dose contributions from large-angle scattered particles in therapeutic carbon beams. <i>Medical Physics</i> , 2007 , 34, 193-8	4.4	27
61	Projection-data based temporal maximum attenuation computed tomography: determination of internal target volume for lung cancer against intra-fraction motion. <i>Physics in Medicine and Biology</i> , 2007 , 52, 1027-38	3.8	8
60	Measurements of total and partial charge-changing cross sections for 200- to 400-MeV/nucleon C12 on water and polycarbonate. <i>Physical Review C</i> , 2007 , 75,	2.7	38
59	Secondary range shifting with range compensator for reduction of beam data library in heavy-ion radiotherapy. <i>Medical Physics</i> , 2007 , 34, 1907-10	4.4	13
58	Irradiation System for HIMAC. <i>Journal of Radiation Research</i> , 2007 , 48 Suppl A, A15-25	2.4	100
57	Biological dose calculation with Monte Carlo physics simulation for heavy-ion radiotherapy. <i>Physics in Medicine and Biology</i> , 2006 , 51, N467-75	3.8	36

56	Physical evaluation of CT scan methods for radiation therapy planning: comparison of fast, slow and gating scan using the 256-detector row CT scanner. <i>Physics in Medicine and Biology</i> , 2006 , 51, 587-600	3.8	20
55	Extended collimator model for pencil-beam dose calculation in proton radiotherapy. <i>Physics in Medicine and Biology</i> , 2006 , 51, 4807-17	3.8	37
54	Scatter factors in proton therapy with a broad beam. <i>Physics in Medicine and Biology</i> , 2006 , 51, 1919-28	3.8	19
53	Commissioning of a conformal irradiation system for heavy-ion radiotherapy using a layer-stacking method. <i>Medical Physics</i> , 2006 , 33, 2989-97	4.4	35
52	Charge identification of highly ionizing particles in desensitized nuclear emulsion using high speed read-out system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 556, 482-489	1.2	18
51	Design of carbon therapy facility based on 10 years experience at HIMAC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 562, 1038-1041	1.2	12
50	Verification of the dose distributions with GEANT4 simulation for proton therapy. <i>IEEE Transactions on Nuclear Science</i> , 2005 , 52, 896-901	1.7	33
49	Tumour shapes and fully automated range compensation for heavy charged particle radiotherapy. <i>Physics in Medicine and Biology</i> , 2004 , 49, N1-5	3.8	5
48	Evaluation of a pencil beam algorithm for therapeutic carbon ion beam in presence of bolus. <i>Medical Physics</i> , 2004 , 31, 2249-53	4.4	7
47	A straw drift chamber spectrometer for studies of rare kaon decays. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 522, 274-293	1.2	1
46	Experimental evaluation of analytical penumbra calculation model for wobbled beams. <i>Medical Physics</i> , 2004 , 31, 1153-7	4.4	3
45	A CT calibration method based on the polybinary tissue model for radiotherapy treatment planning. <i>Physics in Medicine and Biology</i> , 2003 , 48, 1053-64	3.8	92
44	Quality control of CT system for treatment planning using the polybinary calibration method. <i>Igaku Butsuri: Nihon Igaku Butsuri Gakkai Kikanshi = Japanese Journal of Medical Physics: an Official Journal of Japan Society of Medical Physics</i> , 2003 , 23, 140-6	1	1
43	Treatment planning for the layer-stacking irradiation system for three-dimensional conformal heavy-ion radiotherapy. <i>Medical Physics</i> , 2002 , 29, 2823-9	4.4	60
42	Improved branching ratio measurement for the decay $K(0)(L) \rightarrow \mu^+\mu^-$. <i>Physical Review Letters</i> , 2000 , 84, 1389-92	7.4	41
41	New Limit on Muon and Electron Lepton Number Violation from $K_L \rightarrow \mu e \nu$ Decay. <i>Physical Review Letters</i> , 1998 , 81, 5734-5737	7.4	94
40	First Observation of the Rare Decay Mode $K_L \rightarrow e^+e^-$. <i>Physical Review Letters</i> , 1998 , 81, 4309-4312	7.4	25
39	Study of $\mu\mu$ Pair Production in a Two-Photon Process at TRISTAN. <i>Journal of the Physical Society of Japan</i> , 1995 , 64, 435-447	1.5	13

38	Search for a light scalar top squark in e^+e^- reactions at $E_{c.m.}=58$ GeV. <i>Physical Review Letters</i> , 1994 , 72, 3313-3316	7.4	8
37	A study of single photon production in e^+e^- annihilation at $\sqrt{s}=58$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 331, 211-216	4.2	5
36	Measurement of open charm production in two-photon processes with detection of electron-inclusive events. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 63, 213-218		16
35	Particle spectrum in gluon jets produced in e^+e^- annihilations at \sqrt{s} around 58 GeV. <i>Physical Review Letters</i> , 1993 , 71, 38-41	7.4	1
34	Search for heavy neutral spinless particles using $e^+e^- \rightarrow e^+e^- \gamma$ and $e^+e^- \rightarrow \gamma\gamma$ reactions in the CM energy range between 54 and 64 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 302, 119-124	4.2	5
33	A study of charged D production in e^+e^- annihilation at an average center-of-mass energy of 58 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 245-252	4.2	6
32	A study of the charm and bottom quark production in e^+e^- annihilation at $\sqrt{s}=58$ using prompt electrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 288-298	4.2	11
31	Measurement of the forward-backward asymmetry of charm quark production in e^+e^- annihilations at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 278, 393-398	4.2	2
30	Measurement of forward-backward charge asymmetry in the process of b-quark production in e^+e^- annihilation around $\sqrt{s}=60$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 278, 499-505	4.2	6
29	Study of the $e^+e^- \rightarrow \gamma\gamma$ reaction at center-of-mass energies between 54 and 64 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 264, 212-218	4.2	1
28	Search for χ^0_2 production in two-photon processes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 266, 188-192	4.2	4
27	Search for charged scalars in e^+e^- annihilation up to 64 GeV CM energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 267, 309-316	4.2	1
26	Experimental study of color degree of freedom of gluons in e^+e^- annihilation at \sqrt{s} around 60 GeV. <i>Physical Review Letters</i> , 1991 , 66, 280-284	7.4	13
25	Measurement of the reactions $e^+e^- \rightarrow \gamma\gamma$ and $e^+e^- \rightarrow \gamma\gamma\gamma$ between ($\sqrt{s}=50$) and 60.8 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1990 , 48, 13-21		12
24	Determination of the QCD scale parameter with QCD cascade on the basis of the next-to-leading logarithmic approximation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 240, 232-236	4.2	24
23	Experimental limits on extra-Z bosons from e^+e^- annihilation data with the VENUS detector at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 246, 297-305	4.2	16
22	Measurement of R and search for new quark flavors decaying into multi-jet final states in e^+e^- collisions between 54.0 and 61.4 GeV CM energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 234, 382-388	4.2	26
21	Search for susy partners of charged leptons in e^+e^- collisions with up to 60.8 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 234, 202-208	4.2	5

20	Search for isolated photons from flavor-changing neutral-current decay of a new quark at the KEK e+e- collider TRISTAN. <i>Physical Review Letters</i> , 1989 , 63, 1776-1779	7.4	8
19	Search for a fourth-generation quark with $ Q =e/3$ in e+e- collisions at $\sqrt{s}=56-57$ GeV. <i>Physical Review D</i> , 1989 , 39, 3524-3527	4.9	7
18	Measurement of the differential cross sections of $e^+e^- \rightarrow b\bar{b}$ and $e^+e^- \rightarrow t\bar{t}$ ($\sqrt{s}=55,56,56.5$) and 57 GeV and search for unstable photino pair production. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1989 , 45, 175-191		19
17	Charge asymmetry of hadron jets and limits on the compositeness scales in the $e^+e^- \rightarrow qq$ reaction at $\sqrt{s}=57.6$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 232, 425-430	4.2	12
16	A study on single photon production at $\sqrt{s}=54.0$ to 56.4 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 232, 431-436	4.2	13
15	The aging effect in a conductive plastic streamer tube coated with silicone oil. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989 , 274, 183-188	1.2	
14	New Limits on Neutral Scalar Bosons. <i>Journal of the Physical Society of Japan</i> , 1989 , 58, 3037-3041	1.5	4
13	Performance of the VENUS lead-glass calorimeter at TRISTAN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1988 , 271, 432-441	1.2	25
12	A study of nonflammable gas mixtures for limited streamer tubes in the VENUS detector at TRISTAN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1988 , 265, 457-460	1.2	6
11	Study of multihadron events with isolated leptons in e^+e^- annihilation at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 207, 355-360	4.2	3
10	A search for excited electrons in the e^+e^- reactions up to the \sqrt{s} of 56 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 213, 400-404	4.2	5
9	Search for new charged leptons decaying into massive neutrinos and new stable charged leptons in e+e- collisions. <i>Physical Review Letters</i> , 1988 , 61, 915-918	7.4	18
8	Search for sequential heavy leptons in e+e- collisions at the energy $\sqrt{s}=52$ GeV. <i>Physical Review Letters</i> , 1987 , 59, 2915-2918	7.4	5
7	Measurement of R and search for new heavy quarks in e^+e^- annihilation at 50 and 52 GeV centre-of-mass energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 198, 570-576	4.2	51
6	Search for the Top Quark in e^+e^- Annihilation at ($\sqrt{s}=50$) GeV: The First Result from the VENUS Detector at TRISTAN. <i>Journal of the Physical Society of Japan</i> , 1987 , 56, 3763-3766	1.5	9
5	Measurement of the Reaction $e^+e^- \rightarrow e^+e^-$ and $e^+e^- \rightarrow t\bar{t}$ ($\sqrt{s}=52$) GeV. <i>Journal of the Physical Society of Japan</i> , 1987 , 56, 3767-3770	1.5	10
4	DICOM interface and visualization tool for Geant4-based dose calculation		4
3	Systematic comparison of electromagnetic physics between Geant4 and EGS4 with respect to protocol data		1

2 Verification of the dose distributions with GEANT4 simulation for proton therapy

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