

Bohdan Grzadkowski

List of Publications by Year in descending order

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119
papers

3,829
citations

136950

32
h-index

128289

60
g-index

122
all docs

122
docs citations

122
times ranked

6269
citing authors

#	ARTICLE	IF	CITATIONS
1	Dimension-six terms in the Standard Model Lagrangian. Journal of High Energy Physics, 2010, 2010, 1.	4.7	1,362
2	Determining $\theta_{\tilde{A}}$ and ZZ Couplings of a Neutral Higgs Boson of Arbitrary CP Nature at the Next Linear Collider. Physical Review Letters, 1996, 77, 5172-5175.	7.8	95
3	Neutral current flavor changing decays for the Z boson and the top quark in two-Higgs doublet models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 106-111.	4.1	93
4	The scalar sector of the Randall-Sundrum model. Nuclear Physics B, 2003, 671, 243-292.	2.5	75
5	Two-component dark matter. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
6	Multi-scalar-singlet extension of the standard model – The case for dark matter and an invisible Higgs boson. Journal of High Energy Physics, 2012, 2012, 1.	4.7	70
7	Gravitational production of vector dark matter. Journal of High Energy Physics, 2020, 2020, 1.	4.7	70
8	Finding the CP-violating Higgs bosons at e^+e^- colliders. Physical Review D, 1999, 60, .	4.7	69
9	Probing anomalous top-quark couplings induced by dim.6 operators at photon colliders. Nuclear Physics B, 2004, 689, 108-126.	2.5	68
10	Anomalous W t b coupling effects in the weak radiative B -meson decay. Physical Review D, 2008, 78, .	4.7	67
11	New hints for testing anomalous top-quark interactions at future linear colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 476, 87-94.	4.1	61
12	Extending two-Higgs-doublet models by a singlet scalar field – The case for dark matter. Journal of High Energy Physics, 2014, 2014, 1.	4.7	60
13	Nonlinear evolution of Yukawa couplings in the double Higgs and supersymmetric extensions of the standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 198, 64-68.	4.1	59
14	Collider aspects of flavor physics at high Q. European Physical Journal C, 2008, 57, 183-307.	3.9	59
15	Electroweak corrections on the toponium resonance. Nuclear Physics B, 1987, 281, 18-40.	2.5	54
16	Multi-component dark matter: the vector and fermion case. European Physical Journal C, 2018, 78, 1.	3.9	54
17	A stable Higgs portal with vector dark matter. Journal of High Energy Physics, 2015, 2015, 1.	4.7	49
18	Limits from LEP Data on CP-Violating Nonminimal Higgs Sectors. Physical Review Letters, 1997, 79, 982-985.	7.8	46

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19	Pragmatic Approach to the Little Hierarchy Problem: The Case for Dark Matter and Neutrino Physics. <i>Physical Review Letters</i> , 2009, 103, 091802.	7.8	46
20	Decoupling of anomalous top-quark-decay vertices in angular distribution of secondary particles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 557, 55-59.	4.1	45
21	The bilinear formalism and the custodial symmetry in the two-Higgs-doublet model. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	43
22	Tempered two-Higgs-doublet model. <i>Physical Review D</i> , 2010, 82, .	4.7	42
23	Two-Higgs-doublet models and enhanced rates for a 125 GeV Higgs. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	41
24	Do precision electroweak constraints guarantee $e+e\bar{e}$ collider discovery of at least one Higgs boson of a two-Higgs-doublet model?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 496, 195-205.	4.1	39
25	Brane modeling in warped extra-dimension. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	38
26	One-loop contribution to dark-matter-nucleon scattering in the pseudo-scalar dark matter model. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	38
27	Measuring CP violation in two-Higgs-doublet models in light of the LHC Higgs data. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	37
28	Higgs particle effects in flavour changing transitions. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1983, 18, 43-45.	1.5	36
29	Higgs-radion interpretation of the LHC data?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 712, 70-80.	4.1	36
30	Classification of effective operators for interactions between the Standard Model and dark matter. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	36
31	Optimal-observable analysis of the angular and energy distributions for top-quark decay products at polarized linear colliders. <i>Nuclear Physics B</i> , 2000, 585, 3-27.	2.5	34
32	Angular distribution of leptons in general $t\bar{t}$ production and decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 529, 82-86.	4.1	34
33	Heavy Higgs boson decays in the alignment limit of the 2HDM. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	32
34	Strongly self-interacting vector dark matter via freeze-in. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	31
35	Natural multi-Higgs model with dark matter and CP violation. <i>Physical Review D</i> , 2009, 80, .	4.7	30
36	Resonance enhancement of dark matter interactions: the case for early kinetic decoupling and velocity dependent resonance width. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	29

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37	Implications of the absence of high-mass radion signals. Physical Review D, 2017, 95, .	4.7	28
38	Spontaneous CP-violating electroweak baryogenesis and dark matter from a complex singlet scalar. Journal of High Energy Physics, 2018, 2018, 1.	4.7	27
39	Exploring the CP-violating Inert-Doublet Model. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
40	Testing scalar versus vector dark matter. Physical Review D, 2019, 99, .	4.7	24
41	Isospin-violating dark-matter-nucleon scattering via two-Higgs-doublet-model portals. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 040-040.	5.4	23
42	Feebly coupled vector boson dark matter in effective theory. Journal of High Energy Physics, 2020, 2020, 1.	4.7	22
43	Search strategies for non-standard Higgs bosons at future $e+e^-$ colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 480, 287-295.	4.1	21
44	How valuable is polarization at a muon collider? A test case: determining the CP nature of a Higgs boson. Nuclear Physics B, 2000, 583, 49-75.	2.5	21
45	Bulk scalar stabilization of the radion without metric back reaction in the Randall-Sundrum model. Physical Review D, 2003, 68, .	4.7	21
46	Generalized Randall-Sundrum model with a single thick brane. European Physical Journal C, 2014, 74, 1.	3.9	21
47	EFFECTS OF NONSTANDARD INTERACTIONS FOR THE ENERGY SPECTRUM OF SECONDARY LEPTONS IN e^+e^- tar t\$. International Journal of Modern Physics A, 1999, 14, 1261-1281.	1.5	20
48	Spontaneous C violation in the 2HDM: Physical conditions and the alignment limit. Physical Review D, 2016, 94, .	4.7	19
49	Thick-brane cosmology. Journal of High Energy Physics, 2014, 2014, 1.	4.7	18
50	CP-violation in the ZZZ and ZWW vertices at $e+e^-$ colliders in Two-Higgs-Doublet Models. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
51	Testing top-quark Yukawa interactions in $e+e^- \rightarrow t\bar{t}Z$. Physical Review D, 1999, 60, .	4.7	17
52	Optimal-observable analysis of possible new physics using the b-quark in $\hat{t}\hat{t}^*bX$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 593, 189-197.	4.1	17
53	Diagnosing CP properties of the 2HDM. Journal of High Energy Physics, 2014, 2014, 1.	4.7	17
54	Implications of time-dependent inflaton decay on reheating and dark matter production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 831, 137201.	4.1	17

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55	Low-energy effective theory from a non-trivial scalar background in extra dimensions. Nuclear Physics B, 2004, 686, 165-187.	2.5	16
56	Optimal beam polarizations for new-physics search through $\hat{1}^3\hat{3}\hat{a}\hat{t}'\text{tbar } \hat{t}\hat{a}\hat{t}'\text{ellX/bX}$. Journal of High Energy Physics, 2005, 2005, 029-029.	4.7	16
57	Bounds on the Higgs-Boson Mass in the Presence of Nonstandard Interactions. Physical Review Letters, 2002, 88, 041802.	7.8	14
58	Logarithmic and heavy quark corrections to $e+e\hat{a}^{\wedge}\hat{a}\hat{t}'\text{W+W}\hat{a}^{\wedge}$ including off-shell effects in the final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 213-219.	4.1	11
59	Title is missing!. Acta Physica Polonica B, 2011, 42, 2255.	0.8	11
60	Cosmology with unparticles. Physical Review D, 2009, 80, .	4.7	10
61	On the W boson mass determination from the total cross section of $e+e\hat{a}^{\wedge}\hat{a}\hat{t}'\text{W+W}\hat{a}^{\wedge}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 205, 388-392.	4.1	9
62	Kaluza-Klein excitations and electroweak symmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 473, 50-60.	4.1	9
63	Difficulties for Five-Dimensional Gauge-Higgs Unification. Physical Review Letters, 2006, 97, 211602.	7.8	9
64	Note on the strong $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"}\langle\text{mml:mi}C\langle\text{mml:mi}\rangle P\langle\text{mml:mi}\rangle\langle\text{mml:math}\rangle$ problem from a 5-dimensional perspective. Physical Review D, 2008, 77, .	4.7	9
65	Phenomenological constraints on special forms of quark mass matrices. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 189, 453-460.	4.1	8
66	Gluon fusion: A probe of Higgs sector CP violation. Physical Review Letters, 1993, 71, 488-491.	7.8	8
67	CP violation from Five-Dimensional QED. Physical Review Letters, 2004, 93, 211603.	7.8	8
68	Effective potential and vacuum stability within universal extra dimensions. Physical Review D, 2003, 68, .	4.7	7
69	Electroweak symmetry breaking and radion stabilization in universal extra dimensions. Journal of High Energy Physics, 2004, 2004, 067-067.	4.7	7
70	Higgs-boson mass limits and precise measurements beyond the standard model. Physical Review D, 2004, 69, .	4.7	7
71	Dark-matter-spin effects at future $e+e\hat{a}^{\wedge}$ colliders. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
72	Constraints on Two-component Dark Matter. Acta Physica Polonica B, 2013, 44, 2373.	0.8	6

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73	Strong dark matter self-interaction from a stable scalar mediator. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	6
74	Flavour non-conservation induced by Higgs particle exchange in $SU(2)_L \times SU(2)_R \times U(1)$ model. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1984, 22, 361-364.	1.5	5
75	Precision test of the standard model on the toponium resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 163, 247-249.	4.1	5
76	Testing scalar-sector CP violation in top-quark production and decay at linear e^+e^- colliders. <i>Physical Review D</i> , 2001, 63, .	4.7	5
77	KK gravitons and unitarity violation in the Randall-Sundrum model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 653, 307-319.	4.1	5
78	Higgs dark matter from a warped extra dimension in the truncated-inert-doublet model. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	5
79	Gauge-independent approach to resonant dark matter annihilation. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	5
80	Symmetries of the 2HDM: an invariant formulation and consequences. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	5
81	Production of Purely Gravitational Vector Dark Matter. <i>Acta Physica Polonica B</i> , 2019, 50, 1809.	0.8	5
82	Higgs Boson-Induced Reheating and Dark Matter Production. <i>Symmetry</i> , 2022, 14, 306.	2.2	5
83	Natural relations and Appelquist-Carazzone decoupling theorem. <i>Physical Review D</i> , 1984, 29, 1476-1487.	4.7	4
84	Natural Two-Higgs-Doublet Model. <i>Fortschritte Der Physik</i> , 2011, 59, 1041-1045.	4.4	4
85	Production of charged Higgs bosons in ep collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 210, 233-237.	4.1	3
86	Non-minimal neutral Higgs boson production in ep collisions by bremsstrahlung off b quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 272, 143-148.	4.1	3
87	Majorana fermions and CP violation from 5-dimensional theories: A systematic approach. <i>Physical Review D</i> , 2005, 72, .	4.7	3
88	The uses of singlets. <i>Journal of Physics: Conference Series</i> , 2010, 259, 012095.	0.4	3
89	Vacuum Stability from Vector Dark Matter. <i>Acta Physica Polonica B</i> , 2015, 46, 2199.	0.8	3
90	One-loop electroweak corrections to polarization asymmetries on the toponium resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 176, 456-462.	4.1	2

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91	Sensitivity to invisible scalar decays at CLIC. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	2
92	Radius Stabilization and Dark Matter with a Bulk Higgs in Warped Extra Dimension. <i>Acta Physica Polonica B</i> , 2015, 46, 2205.	0.8	2
93	Vector-fermion Dark Matter Model. <i>Acta Physica Polonica B</i> , 2017, 48, 2405.	0.8	2
94	Pseudo-Goldstone dark matter model with CP violation. <i>Journal of High Energy Physics</i> , 2022, 2022, .	4.7	2
95	Upper bounds on higgs boson masses. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986, 32, 455-458.	1.5	1
96	New-Physics Search through. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 157, 246-250.	0.4	1
97	Tuned Two-Higgs-Doublet Model. <i>Journal of Physics: Conference Series</i> , 2010, 259, 012055.	0.4	1
98	Title is missing!. <i>Acta Physica Polonica B</i> , 2011, 42, 2245.	0.8	1
99	Modeling Branes in Warped Extra-dimension. <i>Acta Physica Polonica B</i> , 2013, 44, 2381.	0.8	1
100	Title is missing!. <i>Acta Physica Polonica B</i> , 2013, 44, 1417.	0.8	1
101	Corrigendum to "Optimal-observable analysis of the angular and energy distributions for top-quark decay products at polarized linear colliders" [Nucl. Phys. B 585 (2000) 3-27]. <i>Nuclear Physics B</i> , 2015, 894, 585-587.	2.5	1
102	Multi-scalar-singlet extension of the standard model " The case for dark matter and an invisible Higgs boson. , 2012, 2012, 1.		1
103	CP-violation in the ZZZ and ZWW vertices at e^+e^- colliders in Two-Higgs-Doublet Models. , 2016, 2016, 1.		1
104	Freeze-in Region for Self-interacting Vector Dark Matter. <i>Acta Physica Polonica B</i> , 2017, 48, 2397.	0.8	1
105	Possibility of Dark Matter Detection at Future e^+e^- Colliders. <i>Acta Physica Polonica B</i> , 2019, 50, 1799.	0.8	1
106	Testing the presence of CP violation in the 2HDM. , 2015, , .		1
107	Searches for invisible scalar decays at CLIC. <i>SciPost Physics Proceedings</i> , 2022, , .	0.4	1
108	Testing $O(\hat{1}\pm)$ corrections of the electroweak theory: A systematic overview. <i>Physical Review D</i> , 1987, 35, 2794-2802.	4.7	0

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109	Higgs bosons at 90 GeV. Nuclear Physics, Section B, Proceedings Supplements, 1990, 13, 161-163.	0.4	0
110	Strategies and obstacles in constructing realistic higher-dimensional models. AIP Conference Proceedings, 2007, , .	0.4	0
111	Simple approach to the hierarchy problem. Fortschritte Der Physik, 2010, 58, 724-728.	4.4	0
112	MEASURING THE RELATIVE CP-EVEN AND CP-ODD YUKAWA COUPLINGS OF A HIGGS BOSON AT A MUON-COLLIDER HIGGS FACTORY. , 2000, , .		0
113	EXTRA DIMENSION KALUZA-KLEIN EXCITATIONS AND ELECTROWEAK SYMMETRY BREAKING. , 2000, , .		0
114	SIGNALS OF CP VIOLATION IN DISTRIBUTIONS OF $\$star t\$$ DECAY PRODUCTS AT LINEAR COLLIDERS. , 2000, , .		0
115	Collider aspects of flavor physics at high Q. Advances in the Physics of Particles and Nuclei, 2009, , 171-295.	0.1	0
116	Update on the CP-Violating Inert-Doublet Model. , 2012, , .		0
117	Some Properties of the Generic 2HDM in the Alignment Limit. Acta Physica Polonica B, 2017, 48, 2381.	0.8	0
118	Evolution of Dark Matter Density with Early Kinetic Decoupling in the Case of Resonant Annihilation. Acta Physica Polonica B, 2017, 48, 2413.	0.8	0
119	The CP-symmetries of the 2HDM. Journal of Physics: Conference Series, 2020, 1586, 012046.	0.4	0