

Dependent Variable:	lnIp_cited_by_count								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.043*** (0.007)	0.084*** (0.007)	0.037** (0.018)	0.055*** (0.011)	0.074*** (0.016)	0.037** (0.018)	0.101*** (0.011)	0.118*** (0.015)	0.037** (0.018)
Counterfactual AI	0.003 (0.010)	0.054*** (0.014)	0.013 (0.013)	0.080*** (0.016)	0.100*** (0.027)	0.013 (0.013)	0.045** (0.019)	0.002 (0.032)	0.013 (0.013)
Counterfactual No AI	0.068*** (0.023)	0.203*** (0.040)	0.183*** (0.038)	0.096*** (0.017)	0.134*** (0.024)	0.183*** (0.038)	0.091*** (0.029)	0.218*** (0.042)	0.183*** (0.038)
AlphaFold \times Method	0.055*** (0.015)	0.096*** (0.018)	0.124*** (0.025)	0.051*** (0.016)	0.069*** (0.020)	0.124*** (0.025)	0.095*** (0.029)	0.137*** (0.033)	0.124*** (0.025)
Counterfactual AI \times Method	-0.015 (0.020)	-0.011 (0.034)	-0.011 (0.029)	-0.048** (0.023)	-0.043 (0.042)	-0.011 (0.029)	-0.026 (0.031)	0.091 (0.062)	-0.011 (0.029)
Counterfactual No AI \times Method	0.076*** (0.017)	0.081*** (0.020)	0.049* (0.026)	0.011 (0.016)	0.002 (0.048)	0.049* (0.026)	0.137*** (0.021)	0.107*** (0.026)	0.049* (0.026)
<i>Fixed-effects</i>									
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_country_code	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Fit statistics</i>									
Observations	611,307	165,994	114,948	184,072	70,456	114,948	175,979	48,857	114,948
R ²	0.40	0.41	0.41	0.40	0.39	0.41	0.44	0.46	0.41
Mean(Dep. Var.)	1.041	1.250	1.504	1.055	1.207	1.504	1.112	1.391	1.504
<i>Clustered (author & quarter-year) standard-errors in parentheses</i>									
<i>Signif. Codes: ***: 0.01, **: 0.05, *: 0.1</i>									

Dependent Variable:	lnIp_fwci								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.019** (0.007)	0.063*** (0.011)	0.015 (0.019)	0.046*** (0.007)	0.083*** (0.008)	0.046** (0.019)	0.008 (0.011)	0.040** (0.018)	-0.028 (0.035)
Counterfactual AI	0.039*** (0.012)	0.044** (0.016)	0.058*** (0.013)	0.059*** (0.015)	0.069*** (0.022)	0.093*** (0.016)	0.020 (0.015)	0.035 (0.025)	-0.006 (0.033)
Counterfactual No AI	0.029 (0.020)	0.142*** (0.038)	0.108*** (0.022)	0.051*** (0.017)	0.111*** (0.021)	0.097*** (0.022)	-0.025 (0.023)	0.055 (0.049)	0.031 (0.027)
AlphaFold \times Method	0.051*** (0.009)	0.098*** (0.009)	0.118*** (0.018)	0.049*** (0.007)	0.071*** (0.018)	0.103*** (0.011)	0.063*** (0.016)	0.078*** (0.025)	0.120*** (0.042)
Counterfactual AI \times Method	-0.023 (0.018)	0.039 (0.028)	0.021 (0.031)	-0.044** (0.020)	-0.011 (0.034)	-0.025 (0.041)	-0.025 (0.033)	0.083 (0.062)	0.114* (0.066)
Counterfactual No AI \times Method	0.077*** (0.013)	0.079*** (0.022)	0.070*** (0.024)	0.036 (0.022)	0.011 (0.031)	0.075* (0.040)	0.123*** (0.025)	0.079 (0.053)	0.068* (0.036)
<i>Fixed-effects</i>									
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_country_code	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Fit statistics</i>									
Observations	291,879	84,658	70,606	92,155	36,850	28,001	79,892	23,630	19,293
R ²	0.14	0.18	0.18	0.18	0.21	0.22	0.20	0.26	0.28
Mean(Dep. Var.)	0.793	0.903	0.891	0.711	0.814	0.791	0.870	1.063	1.014
<i>Clustered (author & quarter-year) standard-errors in parentheses</i>									
<i>Signif. Codes: ***: 0.01, **: 0.05, *: 0.1</i>									

Dependent Variable:	lnIp_patent_count								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.002** (0.0006)	0.005*** (0.002)	0.005*** (0.001)	0.001* (0.0007)	0.001 (0.0010)	0.003* (0.001)	0.004*** (0.001)	0.011*** (0.003)	0.011*** (0.003)
Counterfactual AI	0.001* (0.0006)	0.002* (0.0010)	0.003** (0.001)	0.004** (0.002)	0.005** (0.002)	0.006** (0.003)	0.001 (0.0009)	0.003 (0.003)	0.002 (0.004)
Counterfactual No AI	0.009** (0.004)	0.025*** (0.009)	0.025*** (0.008)	0.008** (0.003)	0.011** (0.004)	0.013** (0.006)	0.011** (0.005)	0.028*** (0.010)	0.029*** (0.008)
AlphaFold \times Method	0.0007 (0.0007)	0.001 (0.001)	0.001 (0.002)	-0.0004 (0.0007)	0.0001 (0.001)	-0.0002 (0.001)	0.0009 (0.002)	0.0006 (0.004)	0.002 (0.005)
Counterfactual AI \times Method	-0.001 (0.001)	-0.006 (0.004)	-0.004* (0.002)	-0.002 (0.003)	-0.007 (0.006)	-0.007* (0.004)	-0.004* (0.002)	-0.008 (0.005)	-0.010** (0.004)
Counterfactual No AI \times Method	0.009* (0.005)	0.020* (0.010)	0.008 (0.006)	-0.0001 (0.003)	-0.006 (0.006)	-0.002 (0.009)	0.016* (0.008)	0.036** (0.017)	0.016 (0.010)
<i>Fixed-effects</i>									
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_country_code	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Fit statistics</i>									
Observations	611,307	165,994	114,948	184,072	70,456	44,942	175,979	48,857	32,178
R ²	0.06	0.08	0.10	0.08	0.11	0.13	0.10	0.14	0.16
Mean(Dep. Var.)	0.006	0.014	0.015	0.006	0.010	0.011	0.011	0.028	0.028

Clustered (author & quarter_year) standard-errors in parentheses

Signif. Codes: ***, 0.01, **, 0.05, *, 0.1

Dependent Variable:	lnIp_patent_citation								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	-0.020 (0.053)	0.029 (0.101)	-0.017 (0.111)	0.078 (0.061)	0.113 (0.067)	0.131 (0.294)	0.024 (0.099)	0.061 (0.130)	-0.134 (0.205)
Counterfactual AI	-0.015 (0.048)	-0.029 (0.086)	0.017 (0.107)	0.124 (0.130)	0.137 (0.169)	0.206 (0.317)	-0.139 (0.113)	-0.081 (0.157)	-0.524 (0.354)
Counterfactual No AI	0.144** (0.063)	0.200** (0.094)	0.080 (0.131)	0.205** (0.080)	0.114 (0.096)	0.103 (0.240)	0.133* (0.075)	0.165 (0.108)	-0.038 (0.174)
AlphaFold \times Method	-0.049 (0.063)	-0.100 (0.087)	-0.047 (0.086)	0.066 (0.109)	0.050 (0.181)	0.015 (0.194)	-0.094 (0.111)	-0.066 (0.147)	-0.073 (0.228)
Counterfactual AI \times Method	0.118 (0.182)	0.367 (0.272)	-0.332 (0.218)	0.150 (0.283)	0.235 (0.380)	-0.309 (0.413)	0.176 (0.258)	0.047 (0.234)	0.694 (0.760)
Counterfactual No AI \times Method	0.238 (0.175)	0.324 (0.221)	0.231 (0.361)	-0.008 (0.172)	0.070 (0.106)	-0.199 (0.234)	0.329* (0.192)	0.360* (0.198)	0.385 (0.442)
<i>Fixed-effects</i>									
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_country_code	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Fit statistics</i>									
Observations	4,039	2,336	1,712	1,267	739	525	1,895	1,232	864
R ²	0.45	0.47	0.48	0.61	0.64	0.76	0.55	0.56	0.62
Mean(Dep. Var.)	0.321	0.380	0.313	0.237	0.241	0.218	0.422	0.522	0.410

Clustered (author & quarter_year) standard-errors in parentheses

Signif. Codes: ***, 0.01, **, 0.05, *, 0.1

Dependent Variable:	ln1p_ca_count								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.008*** (0.002)	0.016*** (0.003)	0.015*** (0.003)	-0.00006 (0.0003)	0.0003 (0.0005)	0.0002 (0.0005)	0.019*** (0.005)	0.037*** (0.009)	0.043*** (0.007)
Counterfactual AI	-0.002** (0.001)	-0.003** (0.001)	-0.004* (0.002)	-0.0008 (0.0005)	-0.0005 (0.0008)	-0.002 (0.001)	-0.003 (0.003)	-0.005 (0.007)	-0.006 (0.008)
Counterfactual No AI	0.043*** (0.013)	0.075*** (0.019)	0.090*** (0.019)	0.003** (0.001)	0.006** (0.002)	0.007*** (0.001)	0.058*** (0.016)	0.099*** (0.022)	0.130*** (0.025)
AlphaFold \times Method	0.009** (0.004)	0.013** (0.006)	0.013** (0.006)	-0.0002 (0.0003)	-0.0002 (0.0004)	-0.0007 (0.0006)	0.024** (0.010)	0.027** (0.011)	0.031*** (0.011)
Counterfactual AI \times Method	-0.004** (0.001)	-0.003 (0.002)	-0.005* (0.003)	-0.0004 (0.001)	-0.00009 (0.002)	-0.001 (0.001)	-0.010** (0.004)	-0.005 (0.011)	-0.012 (0.013)
Counterfactual No AI \times Method	0.005 (0.003)	0.004 (0.009)	-0.003 (0.007)	-0.001 (0.001)	-0.005* (0.003)	-0.004 (0.004)	0.012* (0.007)	0.005 (0.015)	-0.011 (0.010)
<i>Fixed-effects</i>									
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_country_code	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Fit statistics</i>									
Observations	611,307	165,994	114,948	184,072	70,456	44,942	175,979	48,857	32,178
R ²	0.10	0.13	0.18	0.11	0.16	0.18	0.15	0.18	0.23
Mean(Dep. Var.)	0.016	0.024	0.031	0.003	0.003	0.004	0.046	0.070	0.094

Clustered (author & quarter-year) standard-errors in parentheses

Signif. Codes: ***: 0.01, **: 0.05, *: 0.1

Dependent Variable:	pdb_submission								
	All Fields			Molecular Biology			Medicine		
	All PDB	High PDB	CEM	All PDB	High PDB	CEM	All PDB	High PDB	CEM
AlphaFold	0.011*** (0.001)	0.027*** (0.002)	0.016*** (0.003)	0.017*** (0.002)	0.029*** (0.004)	0.015*** (0.004)	0.009*** (0.0010)	0.022*** (0.002)	0.017*** (0.004)
Counterfactual AI	0.005*** (0.0010)	0.016*** (0.003)	0.009*** (0.003)	0.012*** (0.002)	0.023*** (0.005)	0.015** (0.006)	0.007*** (0.002)	0.023*** (0.005)	0.011* (0.006)
Counterfactual No AI	-0.003*** (0.0006)	-0.013*** (0.002)	-0.005*** (0.002)	-0.007*** (0.001)	-0.019*** (0.002)	-0.011*** (0.002)	-0.002** (0.0006)	-0.010*** (0.002)	-0.002 (0.002)
AlphaFold \times Method	0.006*** (0.001)	0.006* (0.003)	0.004 (0.003)	0.005*** (0.002)	0.009** (0.003)	0.001 (0.007)	0.007*** (0.002)	0.006 (0.004)	0.007 (0.007)
Counterfactual AI \times Method	0.0005 (0.003)	-0.008 (0.008)	-0.002 (0.008)	-0.002 (0.005)	-0.007 (0.010)	-0.009 (0.012)	0.004 (0.006)	-0.003 (0.018)	0.007 (0.015)
Counterfactual No AI \times Method	0.002 (0.001)	0.005 (0.005)	0.004 (0.004)	0.001 (0.003)	0.008 (0.008)	-0.0003 (0.007)	0.002 (0.002)	0.005 (0.008)	0.008 (0.007)
<i>Fixed-effects</i>									
quarter_year	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
institution_country_code	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Fit statistics</i>									
Observations	611,307	165,994	114,948	184,072	70,456	44,942	175,979	48,857	32,178
R ²	0.06	0.07	0.09	0.08	0.10	0.12	0.09	0.13	0.17
Mean(Dep. Var.)	0.014	0.053	0.033	0.026	0.067	0.046	0.012	0.042	0.027

Clustered (author & quarter-year) standard-errors in parentheses

Signif. Codes: ***: 0.01, **: 0.05, *: 0.1