

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	0.041*** (0.008)	0.075*** (0.006)	0.037** (0.018)	0.048*** (0.009)	0.057*** (0.013)	0.037** (0.018)	0.100*** (0.012)	0.110*** (0.018)	0.037** (0.018)
Counterfactual AI	0.005 (0.011)	0.050*** (0.015)	0.013 (0.013)	0.080*** (0.016)	0.095*** (0.029)	0.013 (0.013)	0.046** (0.019)	-0.002 (0.029)	0.013 (0.013)
Counterfactual No AI	0.063** (0.023)	0.195*** (0.041)	0.183*** (0.038)	0.094*** (0.017)	0.124*** (0.023)	0.183*** (0.038)	0.085*** (0.029)	0.203*** (0.044)	0.183*** (0.038)
AlphaFold \times Method	0.064*** (0.018)	0.119*** (0.024)	0.124*** (0.025)	0.064*** (0.021)	0.091*** (0.026)	0.124*** (0.025)	0.101*** (0.032)	0.154*** (0.038)	0.124*** (0.025)
Counterfactual AI \times Method	-0.024 (0.020)	-0.009 (0.040)	-0.011 (0.029)	-0.059** (0.025)	-0.058 (0.048)	-0.011 (0.029)	-0.022 (0.035)	0.125 (0.078)	-0.011 (0.029)
Counterfactual No AI \times Method	0.079*** (0.018)	0.086*** (0.024)	0.049* (0.026)	0.011 (0.018)	-0.011 (0.053)	0.049* (0.026)	0.144*** (0.022)	0.115*** (0.027)	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	584,019	151,126	114,948	169,543	61,790	114,948	171,338	46,301	114,948
R ²	0.41	0.42	0.41	0.41	0.41	0.41	0.45	0.47	0.41
Mean(Dep. Var.)	1.024	1.220	1.504	1.024	1.156	1.504	1.103	1.380	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	0.013 (0.008)	0.054*** (0.012)	0.005 (0.023)	0.036*** (0.008)	0.068*** (0.009)	0.028 (0.020)	0.005 (0.013)	0.029 (0.022)	-0.031 (0.040)
Counterfactual AI	0.042*** (0.012)	0.045** (0.019)	0.067*** (0.013)	0.066*** (0.016)	0.089*** (0.028)	0.117*** (0.020)	0.017 (0.016)	0.026 (0.024)	-0.011 (0.033)
Counterfactual No AI	0.028 (0.022)	0.150*** (0.044)	0.115*** (0.026)	0.043** (0.017)	0.107*** (0.023)	0.085*** (0.024)	-0.030 (0.025)	0.051 (0.052)	0.033 (0.028)
AlphaFold \times Method	0.056*** (0.011)	0.117*** (0.011)	0.131*** (0.022)	0.059*** (0.008)	0.093*** (0.018)	0.128*** (0.012)	0.065*** (0.018)	0.088** (0.030)	0.124*** (0.041)
Counterfactual AI \times Method	-0.028 (0.019)	0.040 (0.031)	0.012 (0.045)	-0.055** (0.024)	-0.035 (0.052)	-0.069 (0.059)	-0.030 (0.035)	0.113 (0.068)	0.128 (0.121)
Counterfactual No AI \times Method	0.088*** (0.016)	0.087*** (0.028)	0.087*** (0.026)	0.051** (0.024)	-0.010 (0.046)	0.107** (0.041)	0.139*** (0.028)	0.106* (0.057)	0.072 (0.042)
<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	275,819	76,016	64,184	84,119	32,030	24,514	77,023	22,053	18,155
R ²	0.14	0.19	0.19	0.18	0.21	0.23	0.20	0.26	0.29
Mean(Dep. Var.)	0.790	0.899	0.889	0.705	0.806	0.783	0.867	1.059	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** (0.0007)	0.006*** (0.002)	0.005*** (0.002)	0.001* (0.0008)	0.002* (0.001)	0.003* (0.002)	0.003** (0.001)	0.011*** (0.003)	0.011*** (0.003)
Counterfactual AI	0.001** (0.0006)	0.004** (0.001)	0.003* (0.002)	0.004** (0.002)	0.005** (0.002)	0.005* (0.002)	0.002* (0.0008)	0.004 (0.004)	0.004 (0.005)
Counterfactual No AI	0.009** (0.004)	0.026** (0.009)	0.026*** (0.008)	0.009** (0.003)	0.014** (0.005)	0.017** (0.008)	0.011** (0.004)	0.028** (0.010)	0.029*** (0.008)
AlphaFold \times Method	0.0008 (0.0008)	0.001 (0.002)	0.002 (0.002)	-0.0001 (0.0007)	0.0003 (0.001)	-0.002 (0.002)	0.0010 (0.002)	0.0010 (0.004)	0.002 (0.005)
Counterfactual AI \times Method	0.0002 (0.001)	-0.002 (0.002)	-0.001 (0.002)	0.0009 (0.003)	-0.004 (0.006)	-0.001 (0.003)	-0.002 (0.002)	-0.002 (0.006)	-0.005 (0.006)
Counterfactual No AI \times Method	0.009* (0.005)	0.022* (0.011)	0.009 (0.007)	-0.001 (0.003)	-0.006 (0.007)	-0.004 (0.011)	0.016* (0.008)	0.039** (0.018)	0.015 (0.011)
<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	584,019	151,126	105,140	169,543	61,790	39,229	171,338	46,301	30,578
R ²	0.06	0.09	0.10	0.08	0.12	0.14	0.10	0.14	0.17
Mean(Dep. Var.)	0.006	0.014	0.013	0.006	0.009	0.009	0.010	0.027	0.027

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	0.018 (0.070)	0.053 (0.133)	0.058 (0.178)	0.141 (0.110)	0.093 (0.105)	0.244 (0.340)	0.006 (0.119)	0.052 (0.164)	-0.191 (0.286)
Counterfactual AI	-0.041 (0.058)	-0.069 (0.099)	-0.058 (0.122)	0.074 (0.069)	-0.011 (0.044)	0.150 (0.322)	-0.270 (0.218)	-0.172 (0.238)	-0.623 (0.467)
Counterfactual No AI	0.153** (0.069)	0.227* (0.115)	0.075 (0.149)	0.228* (0.111)	0.171 (0.170)	0.106 (0.266)	0.138 (0.090)	0.184 (0.138)	-0.073 (0.255)
AlphaFold \times Method	-0.081 (0.076)	-0.124 (0.117)	-0.116 (0.129)	-0.024 (0.172)	-0.033 (0.298)	0.027 (0.490)	-0.072 (0.129)	-0.068 (0.165)	-0.085 (0.253)
Counterfactual AI \times Method	0.291 (0.187)	0.453 (0.257)	-0.185 (0.451)	0.327 (0.203)	0.503 (0.414)	0.304 (0.398)	0.312 (0.391)	0.148 (0.319)	0.787 (0.911)
Counterfactual No AI \times Method	0.276 (0.170)	0.360 (0.217)	0.272 (0.326)	-0.064 (0.197)	-0.042 (0.140)	-0.456** (0.189)	0.349 (0.197)	0.382* (0.191)	0.415 (0.446)
<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	3,560	2,008	1,449	1,044	587	393	1,736	1,112	778
R ²	0.45	0.47	0.49	0.63	0.63	0.73	0.51	0.52	0.59
Mean(Dep. Var.)	0.303	0.360	0.298	0.206	0.199	0.161	0.396	0.496	0.395

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	0.009*** (0.003)	0.019*** (0.005)	0.020*** (0.004)	0.0002 (0.0003)	0.0006 (0.0006)	0.0008 (0.0005)	0.021*** (0.006)	0.043*** (0.011)	0.050*** (0.010)
Counterfactual AI	-0.0005 (0.0007)	0.0007 (0.001)	0.0003 (0.002)	-0.0004 (0.0006)	0.00001 (0.001)	-0.001 (0.002)	-0.0007 (0.002)	0.001 (0.007)	0.004 (0.005)
Counterfactual No AI	0.044*** (0.013)	0.080*** (0.021)	0.098*** (0.022)	0.003** (0.001)	0.007** (0.003)	0.008*** (0.002)	0.059*** (0.016)	0.101*** (0.023)	0.134*** (0.026)
AlphaFold \times Method	0.011* (0.005)	0.014* (0.007)	0.015** (0.007)	-0.0002 (0.0004)	0.00002 (0.0004)	-0.0002 (0.0007)	0.025** (0.010)	0.028** (0.012)	0.030** (0.011)
Counterfactual AI \times Method	-0.003** (0.001)	-0.002 (0.002)	-0.004 (0.003)	0.0004 (0.002)	0.0009 (0.003)	-0.001 (0.002)	-0.009* (0.004)	-0.0004 (0.009)	-0.014 (0.014)
Counterfactual No AI \times Method	0.007* (0.004)	0.007 (0.010)	0.0001 (0.007)	-0.0006 (0.001)	-0.004 (0.003)	-0.002 (0.005)	0.014* (0.007)	0.010 (0.016)	-0.007 (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	584,019	151,126	105,140	169,543	61,790	39,229	171,338	46,301	30,578
R ²	0.11	0.14	0.18	0.12	0.17	0.19	0.15	0.19	0.23
Mean(Dep. Var.)	0.017	0.026	0.033	0.004	0.003	0.004	0.047	0.074	0.098
<i>Clustered (author & quarter_year) standard-errors in parentheses</i>									
<i>Signif. Codes: ***: 0.01, **: 0.05, *: 0.1</i>									

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	0.007*** (0.0005)	0.014*** (0.002)	0.008*** (0.002)	0.009*** (0.001)	0.013*** (0.004)	0.004 (0.004)	0.006*** (0.0005)	0.013*** (0.003)	0.009** (0.004)
Counterfactual AI	0.004*** (0.0009)	0.014*** (0.003)	0.006** (0.002)	0.010*** (0.002)	0.019*** (0.005)	0.011** (0.005)	0.007*** (0.002)	0.024*** (0.006)	0.010* (0.005)
Counterfactual No AI	-0.003*** (0.0007)	-0.016*** (0.002)	-0.007*** (0.002)	-0.009*** (0.001)	-0.024*** (0.003)	-0.015*** (0.002)	-0.002** (0.0008)	-0.011*** (0.003)	-0.002 (0.002)
AlphaFold \times Method	0.006*** (0.0009)	0.008*** (0.002)	0.006*** (0.002)	0.006*** (0.002)	0.013*** (0.004)	0.006 (0.005)	0.008*** (0.002)	0.010** (0.004)	0.010 (0.006)
Counterfactual AI \times Method	-0.0002 (0.002)	-0.009 (0.007)	-0.003 (0.007)	-0.005 (0.005)	-0.011 (0.011)	-0.016 (0.011)	0.005 (0.005)	0.0002 (0.017)	0.012 (0.014)
Counterfactual No AI \times Method	0.002 (0.001)	0.008 (0.005)	0.005 (0.004)	0.004 (0.003)	0.016 (0.009)	0.005 (0.010)	0.002 (0.002)	0.005 (0.007)	0.007 (0.006)
<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	584,019	151,126	105,140	169,543	61,790	39,229	171,338	46,301	30,578
R ²	0.05	0.07	0.09	0.07	0.09	0.12	0.09	0.13	0.16
Mean(Dep. Var.)	0.012	0.045	0.028	0.021	0.057	0.039	0.010	0.037	0.024
<i>Clustered (author & quarter_year) standard-errors in parentheses</i>									
<i>Signif. Codes: ***: 0.01, **: 0.05, *: 0.1</i>									