

InCites Journal Citation Reports

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**2019 Journal Performance Data for: COMPUTERS & ELECTRICAL ENGINEERING**

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PERGAMON-ELSEVIER SCIENCE LTD

THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND

ENGLAND

TITLES

ISO: Comput. Electr. Eng.

JCR Abbrev: COMPUT ELECTR ENG

LANGUAGES

English

CATEGORIESCOMPUTER SCIENCE,
HARDWARE & ARCHITECTURE --
SCIECOMPUTER SCIENCE,
INTERDISCIPLINARY
APPLICATIONS -- SCIEENGINEERING, ELECTRICAL &
ELECTRONIC -- SCIE**PUBLICATION FREQUENCY**

6 issues/year

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Key Indicators - All Years

Year	Total Cites	Journal Impact Factor	Impact Factor without Journal Self Cites	5 Year Impact Factor	Immediacy Index	Citable Items	% Articles in Citable Items	Average JIF Percentile
✓ 2019	4,867	2.663	2.593	2.654	0.567	238	99.16	58.375
2018	3,855	2.189	1.978	2.337	0.824	489	99.80	54.559
2017	2,473	1.747	1.633	1.781	0.439	255	100.00	50.861
2016	1,756	1.570	1.372	1.485	0.128	242	100.00	43.067
2015	1,172	1.084	0.833	1.103	0.317	224	98.66	42.272
2014	840	0.817	0.592	0.965	0.155	206	100.00	32.952
2013	672	0.992	0.531	1.008	0.071	212	100.00	39.616
2012	564	0.928	0.493	0.970	0.155	148	100.00	40.560
2011	404	0.837	0.516	0.733	0.047	106	99.06	40.140
2010	232	0.484	0.365	0.526	0.039	103	99.03	18.377
2009	205	0.475	0.425	0.411	0.099	81	100.00	18.785
2008	172	0.284	0.284	0.443	0.022	45	100.00	9.046
2007	114	0.130	0.130	0.262	0.000	35	100.00	7.824
2006	99	0.154	0.154	n/a	0.000	32	100.00	6.697
2005	91	0.289	0.247	n/a	0.000	32	100.00	16.710
2004	65	0.210	0.210	n/a	0.029	35	97.14	11.160
2003	45	0.160	0.160	n/a	0.000	56	100.00	7.813
2002	32	0.000	0.000	n/a	0.000	44	100.00	2.287
2001	52	0.105	0.088	n/a	0.000	31	96.77	7.865
2000	45	0.067	0.067	n/a	0.000	28	100.00	7.214
1999	43	0.069	0.069	n/a	0.000	29	100.00	10.723
1998	48	0.085	0.085	n/a	0.000	31	100.00	15.627
1997	37	0.042	0.028	n/a	0.000	25	n/a	9.557

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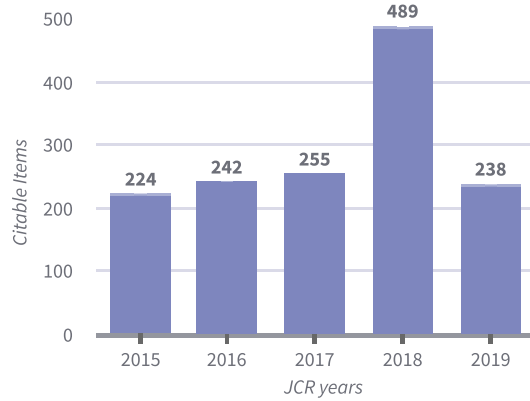
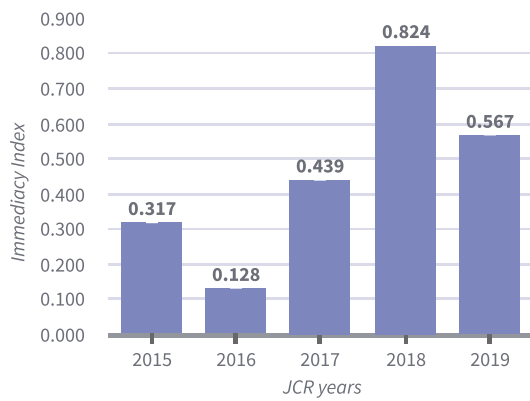
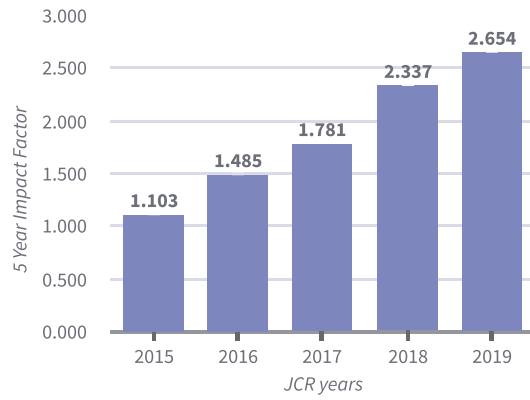
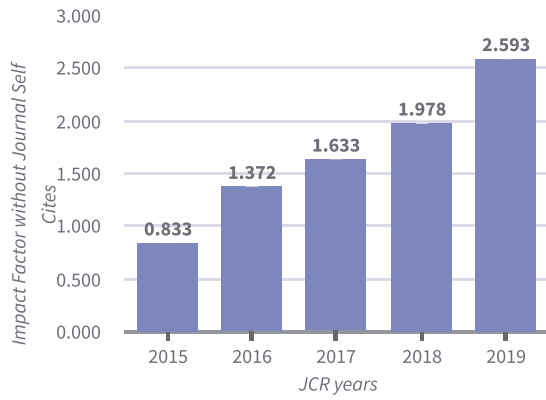
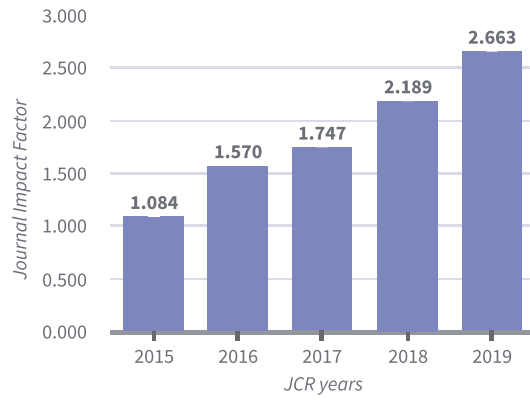
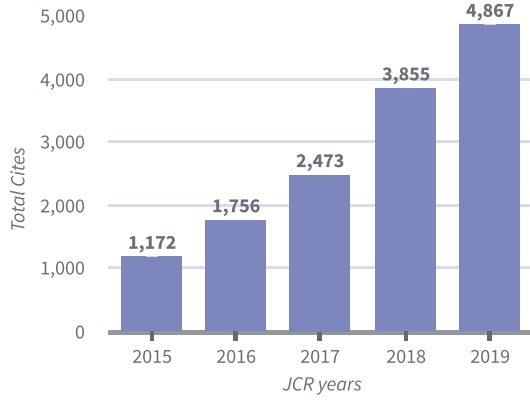
Key Indicators 2019

IMPACT METRICS		INFLUENCE METRICS		SOURCE METRICS	
Total Cites	4,867	Eigenfactor	0.00757	Citable	238
Journal	2.663	Score		Items	
Impact Factor		Article Influence	0.423	% Articles	99.16
5 Year	2.654	Score		in	
Impact Factor		Normalized	0.92325	Citable Items	
Immediacy	0.567	Eigenfactor		Average JIF Percentile	58.375
Index				Cited Half-Life	3.6
Impact Factor				Citing Half-Life	5.2
without	2.593				
Journal Self Cites					

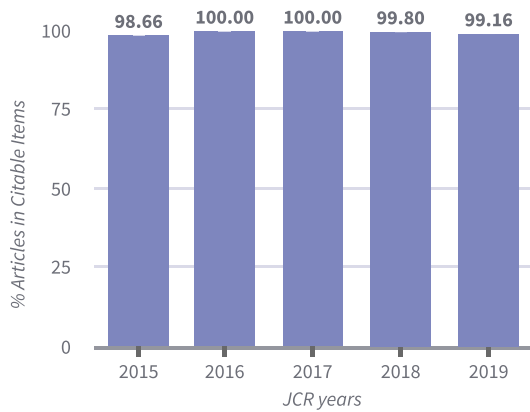
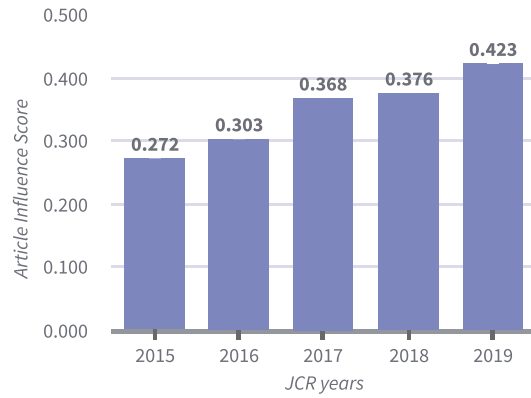
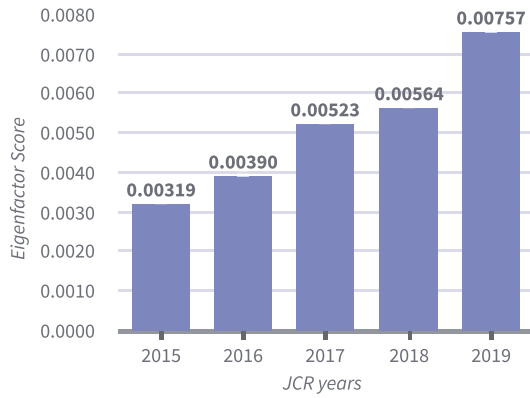
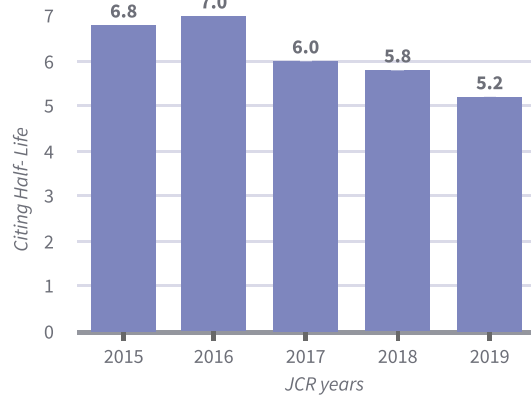
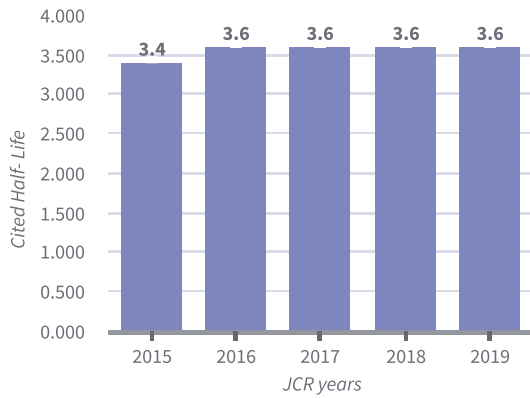
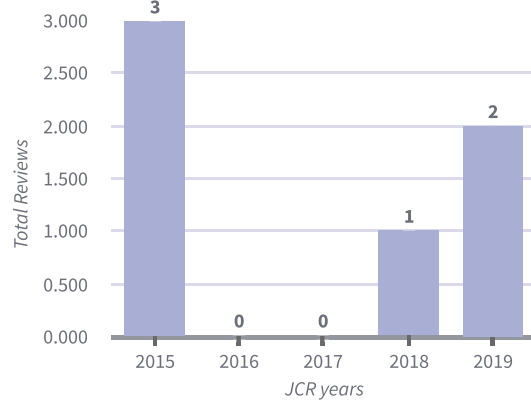
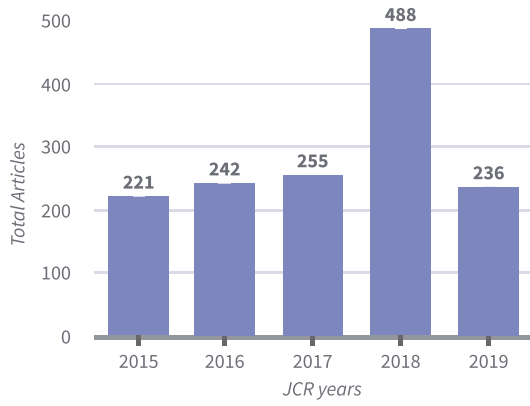
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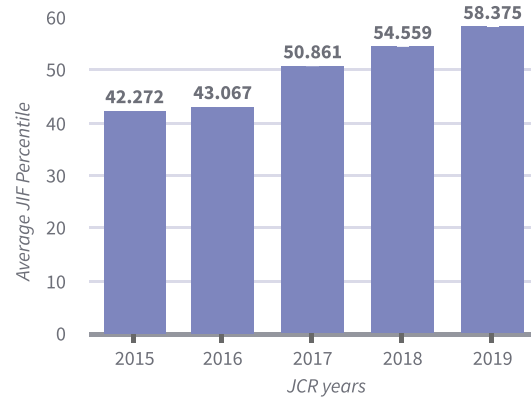
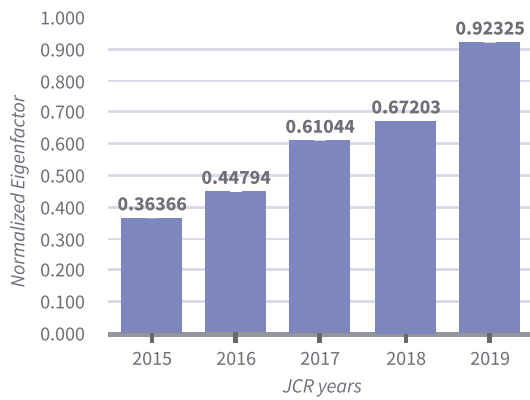
Metric Trend



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Source data

Journal source data 2019

	Articles	Reviews	Combined(C)	Other(O)	Percentage(C/(C+O))
Number in JCR Year 2019 (A)	236	2	238	24	91%
Number of References (B)	5,702	58	5,760	82	99%
Ratio (B/A)	24.2	29.0	24.2	3.4	

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Box plot

Category Box Plot 2019

Category Box Plot

The category box plot depicts the distribution of Impact Factors for all journals in the category. The horizontal line that forms the top of the box is the 75th percentile (Q1). The horizontal line that forms the bottom is the 25th percentile (Q3). The horizontal line that intersects the box is the median Impact Factor for the category.

Horizontal lines above and below the box, called whiskers, represent maximum and minimum values.

The top whisker is the smaller of the following two values:

the maximum Impact Factor (IF)

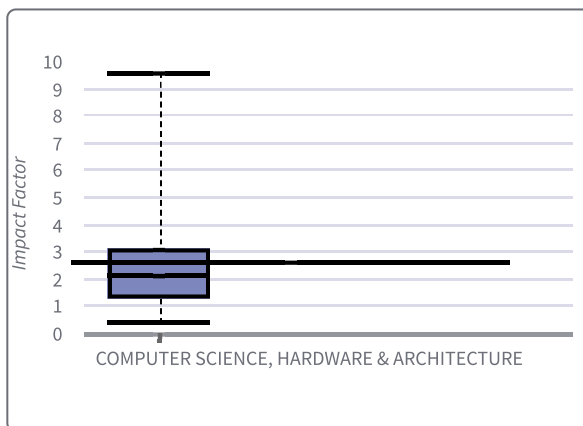
$Q1\ IF + 3.5(Q1\ IF - Q3\ IF)$

The bottom whisker is the larger of the following two values:

the minimum Impact Factor (IF)

$Q1\ IF - 3.5(Q1\ IF - Q3\ IF)$

Box Plots are provided for the current JCR year for each of the categories in which the journal is indexed.

COMPUT ELECTR ENG, IF: 2.663

InCites Journal Citation Reports

Rank

Rank

JCR Impact Factor

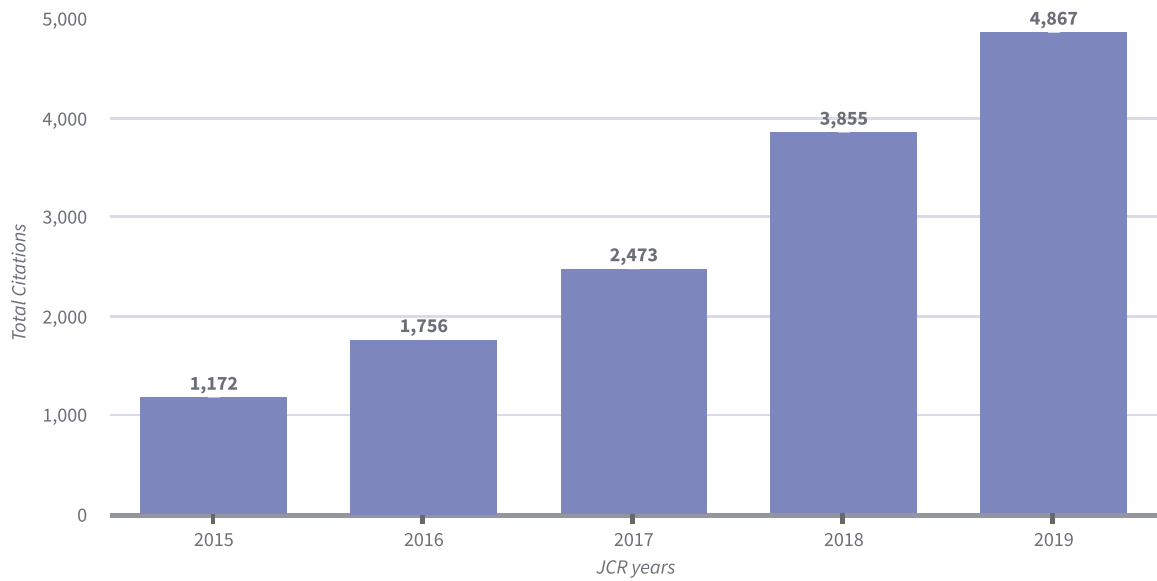
JCR Year	COMPUTER SCIENCE, HARDWARE & ARCHITECTURE			COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS			ENG
	Rank	Quartile	JIF Percentile	Rank	Quartile	JIF Percentile	R
2019	20/53	Q2	63.208	50/109	Q2	54.587	1
2018	20/53	Q2	63.208	54/106	Q3	49.528	1
2017	20/52	Q2	62.500	62/105	Q3	41.429	1
2016	28/52	Q3	47.115	66/105	Q3	37.619	1
2015	24/51	Q2	53.922	73/104	Q3	30.288	1
2014	28/50	Q3	45.000	83/102	Q4	19.118	1
2013	26/50	Q3	49.000	73/102	Q3	28.922	1
2012	27/50	Q3	47.000	68/100	Q3	32.500	1
2011	26/50	Q3	49.000	69/99	Q3	30.808	1
2010	38/48	Q4	21.875	89/97	Q4	8.763	1
2009	39/49	Q4	21.429	88/95	Q4	7.895	1
2008	40/45	Q4	12.222	93/94	Q4	1.596	1
2007	43/45	Q4	5.556	90/92	Q4	2.717	1
2006	42/44	Q4	5.682	87/87	Q4	0.575	1
2005	37/44	Q4	17.045	73/83	Q4	12.651	1
2004	41/44	Q4	7.955	78/83	Q4	6.627	1
2003	45/47	Q4	5.319	80/83	Q4	4.217	1
2002	45/46	Q4	3.261	79/80	Q4	1.875	2
2001	43/45	Q4	5.556	74/76	Q4	3.289	1
2000	47/49	Q4	5.102	71/75	Q4	6.000	1
1999	39/45	Q4	14.444	71/76	Q4	7.237	1
1998	38/47	Q4	20.213	64/71	Q4	10.563	1
1997	37/43	Q4	15.116	61/63	Q4	3.968	1

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ESI Total Citations

Rank

JCR Year	COMPUTER SCIENCE
2019	81/420-Q1
2018	87/413-Q1
2017	107/406-Q2
2016	131/406-Q2
2015	146/393-Q2
2014	170/383-Q2
2013	175/378-Q2



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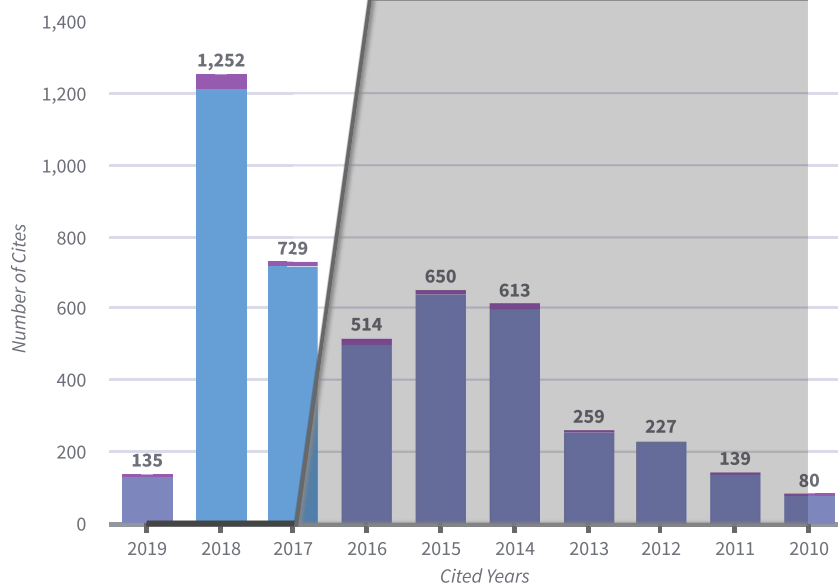


Cited Journal Data

Cited Half-Life Data

Cited Year	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009-All
#Cites from 2019	135	1,252	729	514	650	613	259	227	139	80	269
Cumulative %	2.77%	28.50%	43.48%	54.04%	67.39%	79.99%	85.31%	89.97%	92.83%	94.47%	100.00%

Cited Journal Graph 2019



CITED JOURNAL GRAPH

The Cited Journal Graph shows the distribution (by cited year) of citations published in journals during the JCR year to items published in the Journal during the last 10 years.

The white/grey division indicates the cited half-life (if < 10.0). Half of the citations are to items that were published more recently than the cited half-life.

The two light-blue columns indicate citations used to calculate the Impact Factor (always the 2nd and 3rd columns).

- Non-self-citations: citations from the journal to articles in other journals.
- Journal self - citations: citations from articles in the journal to articles in the same journal.

InCites Journal Citation Reports

Cited Journal Data 2019

	Impact	Citing Journal	All Yrs	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Rest
		ALL Journals	4,867	135	1,252	729	514	650	613	259	227	139	80	269
		ALL OTHERS (531)	531	16	121	66	53	67	85	26	25	7	6	59
1	3.745	IEEE ACCESS	434	22	134	69	39	41	68	15	16	9	6	15
2	2.313	MULTIMED TOOLS APPL	163	2	39	22	18	20	17	11	23	8	2	1
3	3.458	CLUSTER COMPUT	133	0	23	26	25	27	12	11	5	2	0	2
4	3.275	SENSORS-BASEL	130	9	52	20	11	12	7	6	5	1	6	1
5	2.663	COMPUT ELECTR ENG	116	6	39	13	16	12	15	7	0	1	3	4
6	6.125	FUTURE GENER COMP SY	74	4	23	20	4	8	6	5	1	3	0	0
7	1.061	WIRELESS PERS COMMUN	69	2	14	14	9	13	4	2	3	4	3	1
8	3.050	SOFT COMPUT	65	2	29	8	4	7	5	2	6	1	1	0
9	2.659	WIREL NETW	54	0	6	9	11	20	4	0	4	0	0	0
10	2.412	ELECTRONICS-SWITZ	52	3	28	6	3	3	3	0	0	3	1	2
11	5.472	APPL SOFT COMPUT	49	0	15	8	6	5	10	2	1	1	0	1
12	2.474	APPL SCI-BASEL	45	4	12	2	12	6	4	1	1	1	1	1
13	1.851	J INTELL FUZZY SYST	43	5	21	4	4	3	3	2	1	0	0	0
14	2.469	J SUPERCOMPUT	41	0	6	9	7	13	2	0	0	0	2	2
15	2.702	ENERGIES	35	6	12	2	0	4	3	2	1	1	1	3
16	4.774	NEURAL COMPUT APPL	33	0	10	8	3	4	2	1	4	0	0	1
17	1.319	INT J COMMUN SYST	31	0	10	6	5	5	3	0	0	1	0	1
18	3.233	OPT LASER TECHNOL	30	0	1	5	8	0	13	2	1	0	0	0
19	4.594	J AMB INTEL HUM COMP	29	1	1	7	4	9	4	0	2	1	0	0
20	5.910	INFORM SCIENCES	28	0	6	4	2	1	9	1	3	0	0	2
21	5.570	J NETW COMPUT APPL	27	0	7	8	3	4	2	1	1	0	0	1
22	5.452	EXPERT SYST APPL	26	1	5	4	1	5	6	2	1	0	0	1
23	2.645	SYMMETRY-BASEL	26	1	10	1	1	5	0	2	1	1	2	2
24	3.111	COMPUT NETW	24	0	6	9	2	3	1	2	1	0	0	0
25	3.364	MEASUREMENT	23	1	12	4	1	0	2	2	0	0	0	1
26	23.700	IEEE COMMUN SURV TUT	22	1	3	4	4	3	1	3	0	2	1	0
27	1.995	IET IMAGE PROCESS	22	0	8	4	2	3	2	0	1	2	0	0
28	1.681	CIRC SYST SIGNAL PR	21	0	4	3	3	1	3	0	1	1	0	5

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InCites Journal Citation Reports

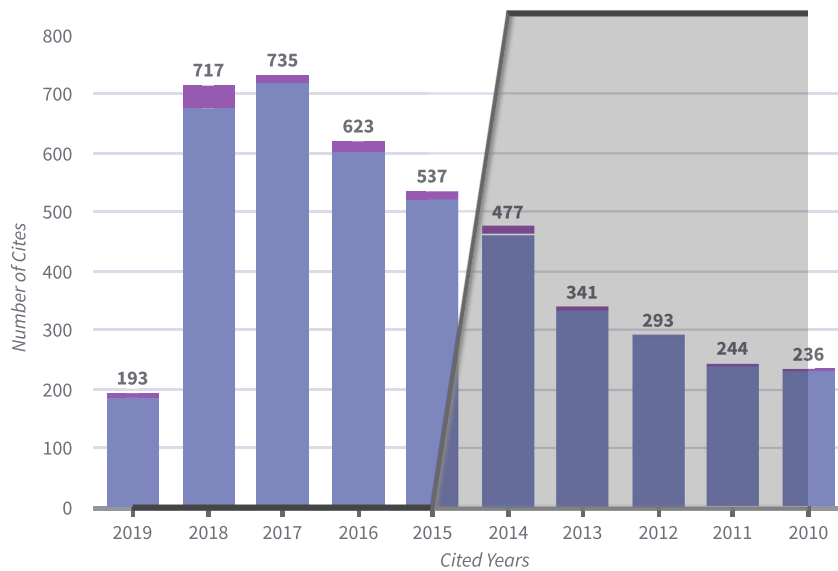


Citing Journal Data

Citing Half-Life Data

Citing Year	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009-All
#Cites from 2019	193	717	735	623	537	477	341	293	244	236	1,446
Cumulative %	3.30%	15.58%	28.16%	38.82%	48.01%	56.18%	62.02%	67.03%	71.21%	75.25%	100.00%

Citing Journal Graph 2019



CITING JOURNAL GRAPH

The Citing Journal Graph shows the distribution (by cited year) of citations published in the Journal during the JCR year to items published in journals during the last 10 years.

The white/grey division indicates the citing half-life (if < 10.0). Half of the citations are to items that were published more recently than the citing half-life.

- Non-self-citations: citations from the journal to articles in other journals.
- Journal self - citations: citations from articles in the journal to articles in the same journal.

InCites Journal Citation Reports

Citing Journal Data 2019

	Impact	Cited Journal	All Yrs	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Rest
		ALL Journals	5,842	193	717	735	623	537	477	341	293	244	236	1,446
		ALL OTHERS (2337)	2,337	42	222	288	223	199	174	145	121	119	103	701
1	2.663	COMPUT ELECTR ENG	116	6	39	13	16	12	15	7	0	1	3	4
2	3.745	IEEE ACCESS	57	8	28	13	3	1	3	1	0	0	0	0
3	6.125	FUTURE GENER COMP SY	53	9	27	3	2	1	1	5	3	0	1	1
4	7.515	IEEE T IND ELECTRON	47	0	0	6	4	3	5	8	1	2	9	9
5	5.452	EXPERT SYST APPL	42	2	6	4	2	5	4	0	4	6	2	7
6	4.438	NEUROCOMPUTING	42	3	10	12	8	2	1	2	0	1	1	2
7	6.373	IEEE T POWER ELECTR	38	0	1	4	7	4	4	4	3	1	0	10
8	9.340	IEEE T IMAGE PROCESS	34	4	3	3	5	2	0	3	2	1	3	8
9	3.488	IEEE T IND APPL	29	2	3	2	6	1	1	0	5	1	0	8
10	5.379	IEEE T VEH TECHNOL	29	3	2	2	5	1	2	3	0	3	0	8
11	6.319	IEEE T INTELL TRANSP	28	0	1	6	7	6	4	0	0	2	0	2
12	17.861	IEEE T PATTERN ANAL	28	0	4	1	2	1	2	5	0	0	2	11
13	6.074	IEEE T POWER SYST	28	0	0	2	1	2	3	3	4	0	1	12
14	5.910	INFORM SCIENCES	27	1	5	5	5	3	1	4	1	0	1	1
15	7.196	PATTERN RECOGN	27	1	4	5	2	2	3	1	0	1	2	6
16	3.588	INT J ELEC POWER	26	2	3	1	7	6	1	3	2	0	0	1
17	12.110	RENEW SUST ENERG REV	26	1	4	10	4	2	3	1	0	0	1	0
18	5.472	APPL SOFT COMPUT	23	0	3	2	4	4	4	0	2	1	1	2
19	5.028	IEEE T SIGNAL PROCES	23	1	0	0	2	1	3	1	1	1	1	12
20	3.858	COMPUT ELECTRON AGR	22	1	4	2	3	4	0	2	1	1	3	1
21	9.936	IEEE INTERNET THINGS	22	1	17	3	1	0	0	0	0	0	0	0
22	2.711	IEEE T COMPUT	22	0	0	0	2	0	1	2	1	0	2	14
23	3.211	ELECTR POW SYST RES	21	1	2	2	3	2	1	2	1	1	1	5
24	3.073	IEEE SENS J	21	2	1	3	5	5	0	3	2	0	0	0
25	11.052	IEEE COMMUN MAG	20	0	5	3	2	3	1	0	0	1	0	5
26	5.570	J NETW COMPUT APPL	20	2	3	6	5	0	1	1	1	1	0	0
27	23.700	IEEE COMMUN SURV TUT	19	3	4	1	4	1	4	1	0	0	0	1
28	3.672	IEEE T AERO ELEC SYS	19	0	0	2	0	3	0	0	1	1	1	11

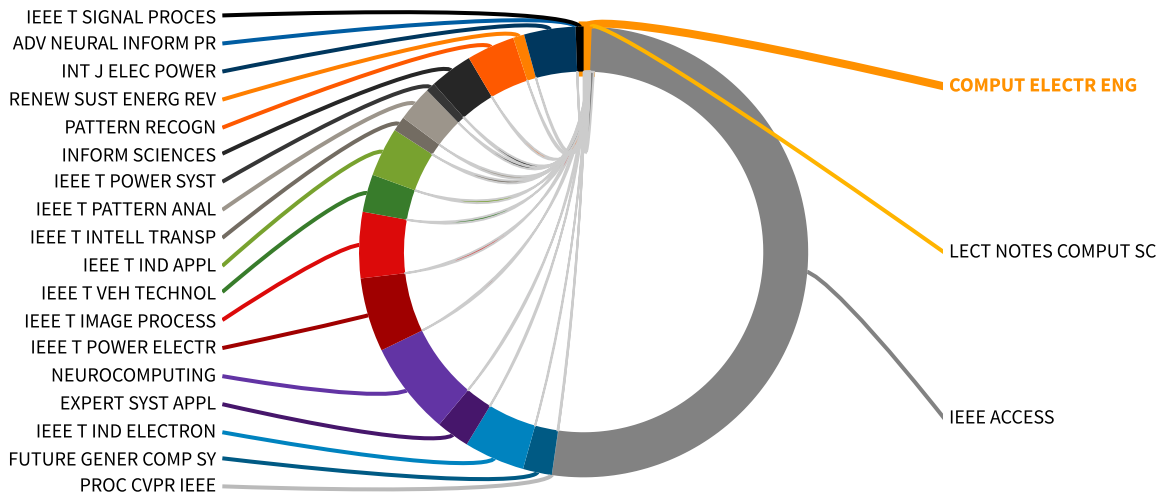
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Journal Relationships

Journal Relationships 2019

Citing Data



Cited Data

