



International Cartilage Regeneration  
& Joint Preservation Society

## "2018 Release of Journal Citation Reports" with "Source: 2017 Web of Science Data" Data for *CARTILAGE (CART)*

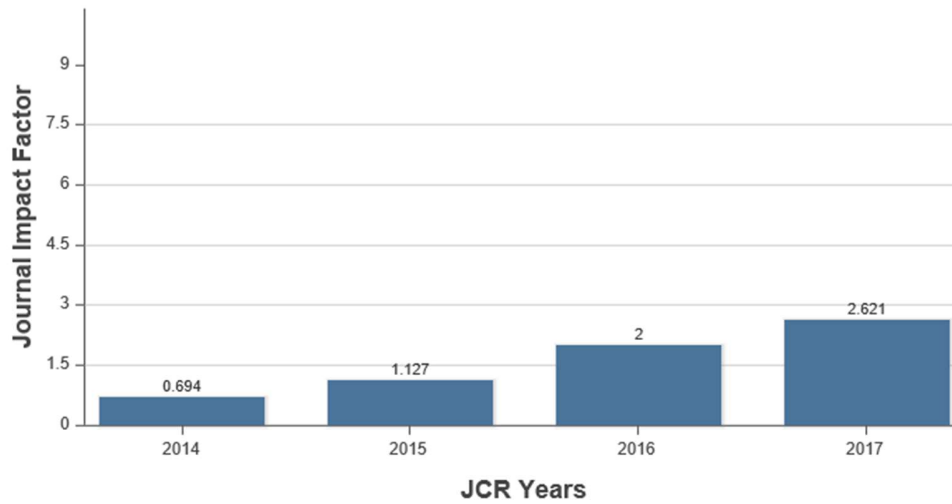
### CART Data

Impact Factor w/o Self-Cites	Total Cites	Impact Factor	5-Year Impact Factor	Immed. Index	Citable Items	Cited 1/2-Life	Eigenfactor Score	Article Influence Score
2.515	653	2.621	2.277	0.902	41	4.5	0.00159	0.652

\* Average self-citation rates are between 12-15%

Term	Definition
Impact Factor	<p>Average number of times articles from the journal published in the past two years have been cited in the JCR year. Impact Factor for 2017 is calculated as follows:</p> <p><u>Cites in 2017 to citable articles published in 2015 &amp; 2016</u> Number of citable items (articles and reviews) published in 2015 &amp; 2016</p> <p>(Note: only citations appearing in ranked journals are used in the calculation.)</p>
5-Year Impact Factor	<p>The 5-Year Impact Factor is calculated exactly the same way that the original, 2-year Impact Factor is, but across five years rather than two, as follows for the 2017 figure:</p> <p><u>Citations in 2017 to articles published in 2016, 2015, 2014, 2013, 2012</u> Number of citable items (articles and reviews) published in 2016, 2015, 2014, 2013, 2012</p>
Immediacy Index	<p>Average number of times an article is cited in the year it is published. Immediacy Index is calculated as follows:</p> <p><u>Cites in 2017 to articles published in 2017</u> Number of citable items (articles and reviews) published in 2017</p>
Cited Half-Life	<p>Median age of the articles that were cited in the JCR year. Half of a journal's cited articles were published more recently than the cited half-life.</p>
Self-Cites	<p>Articles in a journal citing articles previously published in that same journal.</p>
Eigenfactor Score	<p>The <i>Eigenfactor</i> score measures not just the number of citations, but the quality of citations as well. Citations from journals that are heavily cited count more than cites from journals that are rarely cited. <i>Eigenfactor</i> also removes self-citations from the calculation, a notable difference between <i>Eigenfactor</i> and Impact Factor. When all other metrics are equal, a journal's <i>Eigenfactor</i> score doubles when it doubles in size.</p> <p>Eigenfactor scores are scaled so that the sum of the Eigenfactor scores of all journals listed in Thomson's Journal Citation Reports (JCR) is 100.</p>
Article Influence Score	<p>A journal's <i>Article Influence</i> score is a measure of the average influence of each of its articles over the first five years after publication. <i>Article Influence</i> measures the average influence, per article, of the papers in a journal. As such, it is comparable to Impact Factor, though like <i>Eigenfactor</i>, it also discounts any weight from self-citations. The <i>Article Influence</i> essentially takes the <i>Eigenfactor</i> value, and divides it by the number of articles published in the journal as a percentage of total JCR articles to make a score comparable to the Impact Factor. So, instead of measuring journal influence like the <i>Eigenfactor</i>, it measures influence per article, more like the Impact Factor.</p>

## Impact Factor Trend



## Journal Self Cites

The tables show the contribution of the journal's self cites to its impact factor. Self citations should not account for more than 15% of a journal's total cites.

<b>Total Cites</b>	653
<b>Cites to Years Used in Impact Factor Calculation</b>	173
<b>Impact Factor</b>	2.621

<b>Self Cites</b>	30 (4.594% of 653)
<b>Self Cites to Years Used in Impact Factor Calculation</b>	7 (4.046% of 173)
<b>Impact Factor without Self Cites</b>	2.515



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## CART Impact Factor Ranking History

### 2017 Impact Factor

Cites in 2017 to items published in:	2016 = 83	Number of items published in:	2016 = 36
	2015 = 90		2015 = 30
	Sum: 173		Sum: 66

$$\text{Calculation} = \frac{\text{Cites to recent items } 173}{\text{Number of recent items } 66} = \mathbf{2.621}$$

### 2016 Impact Factor

Cites in 2016 to articles published in:	2015 = 57	Number of articles published in:	2015 = 30
	2014 = 55		2014 = 26
	Sum: 112		Sum: 56

$$\text{Calculation: } \frac{\text{Cites to recent articles } 112}{\text{Number of recent articles } 56} = \mathbf{2.000}$$

### 2015 Impact Factor

Cites in 2015 to articles published in:	2014 = 25	Number of articles published in:	2014 = 26
	2013 = 46		2013 = 37
	Sum: 71		Sum: 63

$$\text{Calculation: } \frac{\text{Cites to recent articles } 71}{\text{Number of recent articles } 63} = \mathbf{1.127}$$

### 2014 Impact Factor

Cites in 2014 to articles published in:	2013 = 24	Number of articles published in:	2013 = 37
	2012 = 35		2012 = 48
	Sum: 59		Sum: 85

$$\text{Calculation: } \frac{\text{Cites to recent articles } 59}{\text{Number of recent articles } 85} = \mathbf{0.694}$$

### 5-Year Journal Impact Factor

Cites in 2017 to items published in:	2016 = 83	Number of items published in:	2016 = 36
	2015 = 90		2015 = 30
	2014 = 61		2014 = 26
	2013 = 101		2013 = 37
	2012 = 68		2012 = 48
	Sum: 403		Sum: 177

$$\text{Calculation: } \frac{\text{Cites to recent items } 403}{\text{Number of recent items } 177} = \mathbf{2.277}$$



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## 2017 Category Ranking Category: Orthopedics - SCIE

Rank	JCR Abbreviated Title	Total Cites	Journal Impact Factor	5-Year Impact Factor	Eigenfactor Score
1	AM J SPORT MED	32,251	6.057	6.699	0.04174
2	OSTEOARTH CARTILAGE	15,911	5.454	5.8	0.02663
3	J BONE JOINT SURG AM	46,966	4.583	6.416	0.04493
4	J PHYSIOTHER	839	4.542	5.217	0.00239
5	ARTHROSCOPY	15,568	4.33	4.598	0.02076
6	CLIN ORTHOP RELAT R	40,313	4.091	4.273	0.03788
7	BONE JOINT J	4,676	3.581	3.899	0.01901
8	J ORTHOP RES	14,800	3.414	3.317	0.01657
9	J ARTHROPLASTY	16,901	3.338	3.532	0.02976
10	KNEE SURG SPORT TR A	14,017	3.21	3.506	0.02609
11	SPINE J	8,564	3.119	3.511	0.01938
12	J ORTHOP SPORT PHYS	6,612	3.09	4.061	0.0068
13	ACTA ORTHOP	8,583	3.076	3.505	0.00867
14	J SHOULDER ELB SURG	12,263	2.849	3.195	0.01773
15	SPINE	46,984	2.792	3.389	0.03505
16	ORTHOP CLIN N AM	3,140	2.672	2.353	0.00305
17	FOOT ANKLE INT	8,682	2.653	2.569	0.00819
18	J HAND SURG-EUR VOL	4,234	2.648	2.051	0.00422
19	J AM ACAD ORTHOP SUR	5,082	2.638	3.432	0.00781
20	EUR SPINE J	15,242	2.634	2.857	0.02305
21	CARTILAGE	653	2.621	2.277	0.00159
22	CONNECT TISSUE RES	2,195	2.608	2.158	0.00231
23	PHYS THER	11,858	2.587	3.343	0.00887
24	ARCH OSTEOPOROS	860	2.382	Not Available	0.00284
25	J ORTHOP TRAUMA	8,271	2.381	2.49	0.01009
26	INT ORTHOP	9,173	2.377	2.7	0.01714
27	BONE JOINT RES	730	2.362	2.958	0.00301
28	J SPINAL DISORD TECH	4,715	2.31	2.49	0.00544
29	GAIT POSTURE	12,927	2.273	2.971	0.01695
30	CLIN J SPORT MED	3,683	2.224	2.54	0.00447
31	INJURY	13,720	2.199	2.459	0.01998
32	J KNEE SURG	1,406	2.079	2.055	0.00326
33	J ORTHOP TRANSL	180	2.078	Not Available	0.00043
34	BMC MUSCULOSKEL DIS	8,804	1.998	2.454	0.02098
35	CLIN SPINE SURG	406	1.987	2.006	0.00145
36	ARCH ORTHOP TRAUM SU	6,108	1.967	2.111	0.00957
37	KNEE	4,191	1.903	2.334	0.00843



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38	CLIN BIOMECH	8,064	1.863	2.248	0.00875
39	J PEDIATR ORTHOPED	6,783	1.853	1.872	0.00767
40	J HAND SURG-AM	10,191	1.776	1.94	0.01122
41	BRAZ J PHYS THER	1,247	1.699	1.804	0.00182
42	J FOOT ANKLE RES	892	1.683	2.187	0.00199
43	J ORTHOP SURG RES	1,695	1.61	2.083	0.00443
44	SKELETAL RADIOL	5,482	1.567	1.755	0.00755
45	PHYSICIAN SPORTSMED	1,124	1.545	1.57	0.00169
46	ORTHOPEDECS	5,329	1.463	1.571	0.00935
47	FOOT ANKLE SURG	927	1.458	Not Available	0.00182
48	ORTHOP TRAUMATOL-SUR	3,023	1.413	1.986	0.00772
49	EKLEM HAST CERRAHISI	213	1.292	0.849	0.00031
50	HIP INT	1,105	1.276	1.306	0.0029
51	J ORTHOP SCI	2,893	1.264	1.405	0.00406
52	OPER ORTHOP TRAUMATO	522	1.188	1.098	0.00086
53	HAND CLIN	1,665	1.171	1.648	0.00159
54	ORTHOP SURG	453	1.147	Not Available	0.00111
55	CHIR MAIN	502	1.14	0.706	0.00069
56	J FOOT ANKLE SURG	2,832	1.138	1.192	0.00358
57	J PLAST SURG HAND SU	549	1.1	1.03	0.00209
58	PROSTHET ORTHOT INT	1,441	1.097	1.163	0.00124
59	J CHILD ORTHOP	918	1.092	Not Available	0.0024
60	J HAND THER	1,354	1.04	1.781	0.00119
61	J ORTHOP SURG-HONG K	1,069	0.994	1.021	0.00182
62	J BACK MUSCULOSKELET	723	0.982	1.184	0.00156
63	INDIAN J ORTHOP	1,072	0.98	0.991	0.00171
64	CLIN PODIATR MED SUR	558	0.919	0.891	0.00058
65	FOOT ANKLE CLIN	1,217	0.871	1.508	0.0012
66	ACTA CHIR ORTHOP TR	432	0.645	0.68	0.00054
67	ACTA ORTHOP TRAUMATO	830	0.637	0.723	0.00141
68	ORTHOPEDE	1,276	0.632	0.654	0.00111
69	J PEDIATR ORTHOP B	1,365	0.61	0.744	0.00179
70	ORTHOP NURS	544	0.578	0.74	0.00047
71	Z ORTHOP UNFALLCHIR	459	0.572	0.629	0.00078
72	ISOKINET EXERC SCI	365	0.568	0.562	0.00037
73	ACTA ORTOP BRAS	361	0.546	0.733	0.00074
74	ACTA ORTHOP BELG	1,874	0.542	0.915	0.00227
75	SPORTVERLETZ SPORTSC	211	0.463	0.491	0.00012
76	J AM PODIATR MED ASSN	1,428	0.445	0.599	0.0009
77	HAND SURG REHABIL	29	0.308	0.308	0.0001

## Citation Activity in 2017 to Articles from 2015-2016 (ranked by times cited)

Source: Web of Science (WoS) 2018

Note: This may not reflect the total JCR count. WoS citation counts can be different than JCR citation counts because WoS is a dynamic, constantly updated database and JCR is a snapshot of a point in time. Thomson Reuters adds citations to the JCR that were missed in WoS due to author error in citing, misspelled journal names, etc.

Title	Authors	Publication Year	Volume	Issue	Total Cites in 2017
<b>Matrix-Induced Autologous Chondrocyte Implantation versus Multipotent Stem Cells for the Treatment of Large Patellofemoral Chondral Lesions: A Nonrandomized Prospective Trial</b>	Gobbi, Alberto; Chaurasia, Sanyam; Karnatzikos, Georgios; Nakamura, Norimasa	2015	6	2	15
<b>BST-CarGel (R) Treatment Maintains Cartilage Repair Superiority over Microfracture at 5 Years in a Multicenter Randomized Controlled Trial</b>	Shive, Matthew S.; Stanish, William D.; McCormack, Robert; Forriol, Francisco; Mohtadi, Nicholas; Pelet, Stephane; Desnoyers, Jacques; Methot, Stephane; Vehik, Kendra; Restrepo, Alberto	2015	6	2	9
<b>The Use of Osteochondral Allograft Transplantation for Primary Treatment of Cartilage Lesions in the Knee</b>	Briggs, Dustin T.; Sadr, Kamran N.; Pulido, Pamela A.; Bugbee, William D.	2015	6	4	8
<b>TruFit Plug for Repair of Osteochondral Defects-Where Is the Evidence? Systematic Review of Literature</b>	Verhaegen, J.; Clockaerts, S.; Van Osch, G. J. V. M.; Somville, J.; Verdonk, P.; Mertens, P.	2015	6	1	6
<b>Long-Term Outcomes after Autologous Chondrocyte Implantation: A Systematic Review at Mean Follow-Up of 11.4 Years</b>	Pareek, Ayoosh; Carey, James L.; Reardon, Patrick J.; Peterson, Lars; Stuart, Michael J.; Krych, Aaron J.	2016	7	4	6
<b>Characterization of Tissue Response to Impact Loads Delivered Using a Hand-Held Instrument for Studying Articular Cartilage Injury</b>	Bonnevie, Edward D.; Delco, Michelle L.; Fortier, Lisa A.; Alexander, Peter G.; Tuan, Rocky S.; Bonassar, Lawrence J.	2015	6	4	6
<b>Osteochondral Biopsy Analysis Demonstrates That BST-CarGel Treatment Improves Structural and Cellular Characteristics of Cartilage Repair Tissue Compared With Microfracture</b>	Methot, Stephane; Changoor, Adele; Tran-Khanh, Nicolas; Hoemann, Caroline D.; Stanish, William D.; Restrepo, Alberto; Shive, Matthew S.; Buschmann, Michael D.	2016	7	1	6
<b>Evaluating Joint Morbidity after Chondral Harvest for Autologous Chondrocyte Implantation (ACI): A Study of ACI-Treated Ankles and Hips with a Knee Chondral Harvest</b>	McCarthy, Helen S.; Richardson, James B.; Parker, Jane C. E.; Roberts, Sally	2016	7	1	5
<b>Pre-Osteoarthritis: Definition and Diagnosis of an Elusive Clinical Entity</b>	Ryd, Leif; Brittberg, Mats; Eriksson, Karl; Jurvelin, Jukka S.; Lindahl, Anders; Marlovits, Stefan; Moller, Per; Richardson, James B.; Steinwachs, Matthias; Zenobi-Wong, Marcy	2015	6	3	4
<b>Osteochondral Allograft Transplantation for Knee Lesions after Failure of Cartilage Repair Surgery</b>	Gracitelli, Guilherme C.; Meric, Gokhan; Pulido, Pamela A.; McCauley, Julie C.; Bugbee, William D.	2015	6	2	4
<b>Comparative Study of Collagen versus Synthetic-Based Meniscal Scaffolds in Treating Meniscal Deficiency in Young Active Population</b>	Bulgheroni, Erica; Grassi, Alberto; Campagnolo, Monica; Bulgheroni, Paolo; Mudhigere, Abhishek; Gobbi, Alberto	2016	7	1	4
<b>Management of Osteoarthritis with Avocado/Soybean Unsaponifiables</b>	Christiansen, Blaine A.; Bhatti, Simrit; Goudarzi, Ramin; Emami, Shahin	2015	6	1	3

<b>An In Vitro Comparison of the Incorporation, Growth, and Chondrogenic Potential of Human Bone Marrow versus Adipose Tissue Mesenchymal Stem Cells in Clinically Relevant Cell Scaffolds Used for Cartilage Repair</b>	Kohli, Nupur; Wright, Karina T.; Sammons, Rachel L.; Jeys, Lee; Snow, Martyn; Johnson, William E. B.	2015	6	4	3
<b>Effects of Mesenchymal Stem Cell and Growth Factor Delivery on Cartilage Repair in a Mini-Pig Model</b>	Fisher, Matthew B.; Belkin, Nicole S.; Milby, Andrew H.; Henning, Elizabeth A.; Soeegaard, Nicole; Kim, Minwook; Pfeifer, Christian; Saxena, Vishal; Dodge, George R.; Burdick, Jason A.; Schaer, Thomas P.; Steinberg, David R.; Mauck, Robert L.	2016	7	2	3
<b>T1 rho Dispersion in Articular Cartilage: Relationship to Material Properties and Macromolecular Content</b>	Keenan, Kathryn E.; Besier, Thor F.; Pauly, John M.; Smith, R. Lane; Delp, Scott L.; Beaupre, Gary S.; Gold, Garry E.	2015	6	2	3
<b>Next Generation Mesenchymal Stem Cell (MSC)-Based Cartilage Repair Using Scaffold-Free Tissue Engineered Constructs Generated with Synovial Mesenchymal Stem Cells</b>	Shimomura, Kazunori; Ando, Wataru; Moriguchi, Yu; Sugita, Norihiko; Yasui, Yukihiko; Koizumi, Kota; Fujie, Hiromichi; Hart, David A.; Yoshikawa, Hideki; Nakamura, Norimasa	2015	6	2	3
<b>The Role of Cells in Meniscal Guided Tissue Regeneration: A Proof of Concept Study in a Goat Model</b>	Juelke, Henriette; Mainil-Varlet, Pierre; Jakob, Roland P.; Brehm, Walter; Schaefer, Birgit; Netic, Dobrila	2015	6	1	3
<b>The 50 Most Cited Articles in Orthopedic Cartilage Surgery</b>	Arshi, Armin; Siesener, Nathan J.; McAllister, David R.; Williams, Riley J., III; Sherman, Seth L.; Jones, Kristofer J.	2016	7	3	3
<b>High-Resolution Methods for Diagnosing Cartilage Damage In Vivo</b>	Novakofski, Kira D.; Pownder, Sarah L.; Koff, Matthew F.; Williams, Rebecca M.; Potter, Hollis G.; Fortier, Lisa A.	2016	7	1	3
<b>Modulation of Superficial Zone Protein/Lubricin/PRG4 by Kartogenin and Transforming Growth Factor-beta 1 in Surface Zone Chondrocytes in Bovine Articular Cartilage</b>	Miyatake, Kazumasa; Iwasa, Kenjiro; McNary, Sean M.; Peng, Gordon; Reddi, A. Hari	2016	7	4	3
<b>Patients Scheduled for Chondrocyte Implantation Treatment with MACI Have Larger Defects than Those Enrolled in Clinical Trials</b>	Foldager, Casper Bindzus; Farr, Jack; Gomoll, Andreas H.	2016	7	2	3
<b>In Vivo Evaluation of the Potential of High-Frequency Ultrasound for Arthroscopic Examination of the Shoulder Joint</b>	Puhakka, Jani; Afara, Isaac O.; Paatela, Teemu; Sormaala, Markus J.; Timonen, Matti A.; Viren, Tuomas; Jurvelin, Jukka S.; Toyras, Juha; Kiviranta, Ilkka	2016	7	3	3
<b>Osteochondral Allograft MRI Scoring System (OCAMRISS) in the Knee: Interobserver Agreement and Clinical Application</b>	Meric, Gokhan; Gracitelli, Guilherme C.; McCauley, Julie C.; Pulido, Pamela A.; Chang, Eric Y.; Chung, Christine B.; Bugbee, William D.	2015	6	3	3
<b>Autologous Dual-Tissue Transplantation for Osteochondral Repair: Early Clinical and Radiological Results</b>	Christensen, Bjorn Borsoe; Foldager, Casper Bindzus; Jensen, Jonas; Lind, Martin	2015	6	3	2
<b>Platelet-Rich Plasma May Improve Osteochondral Donor Site Healing in a Rabbit Model</b>	Smyth, Niall A.; Haleem, Amgad M.; Ross, Keir A.; Hannon, Charles P.; Murawski, Christopher D.; Do, Huong T.; Kennedy, John G.	2016	7	1	2
<b>In Vitro Toxicity of Local Anesthetics and Corticosteroids on Chondrocyte and Synoviocyte Viability and Metabolism</b>	Sherman, Seth L.; Khazai, Ravand S.; James, Christopher H.; Stoker, Aaron M.; Flood, David L.; Cook, James L.	2015	6	4	2
<b>A Stereological Method for the Quantitative Evaluation of Cartilage Repair Tissue</b>	Foldager, Casper Bindzus; Nyengaard, Jens Randel; Lind, Martin; Spector, Myron	2015	6	2	2
<b>Effects of Dexamethasone Concentration and Timing of Exposure on Chondrogenesis of Equine Bone</b>	Tangtrongsup, Suwimol; Kisiday, John D.	2016	7	1	2

<b>Marrow-Derived Mesenchymal Stem Cells</b>					
<b>Mechanical Loading of Cartilage Explants with Compression and Sliding Motion Modulates Gene Expression of Lubricin and Catabolic Enzymes</b>	Schaetti, Oliver R.; Markova, Michala; Torzilli, Peter A.; Gallo, Luigi M.	2015	6	3	2
<b>Matrix-Associated Autologous Chondrocyte Implantation: A Clinical Follow-Up at 15 Years</b>	Gille, Justus; Behrens, Peter; Schulz, Arndt Peter; Oheim, Ralf; Kienast, Benjamin	2016	7	4	2
<b>Correlation Analysis of SOX9,-5, and-6 as well as COL2A1 and Aggrecan Gene Expression of Collagen I Implant-Derived and Osteoarthritic Chondrocytes</b>	Zwickl, Hannes; Niculescu-Morzsa, Eugenia; Halbwirth, Florian; Bauer, Christoph; Jeyakumar, Vivek; Reutterer, Angelique; Berger, Manuela; Nehrer, Stefan	2016	7	2	2
<b>Collagen Type IV and Laminin Expressions during Cartilage Repair and in Late Clinically Failed Repair Tissues from Human Subjects</b>	Foldager, Casper Bindzus; Toh, Wei Seong; Christensen, Bjorn Borsoe; Lind, Martin; Gomoll, Andreas H.; Spector, Myron	2016	7	1	2
<b>Depth-Dependent Glycosaminoglycan Concentration in Articular Cartilage by Quantitative Contrast-Enhanced Micro-Computed Tomography</b>	Mittelstaedt, Daniel; Xia, Yang	2015	6	4	2
<b>Development of a Fresh Osteochondral Allograft Program Outside North America</b>	Passarelli Tirico, Luis Eduardo; Demange, Marco Kawamura; Ubirajara Santos, Luiz Augusto; de Rezende, Marcia Uchoa; Helito, Camilo Partezani; Gobbi, Riccardo Gomes; Pecora, Jose Ricardo; Croci, Alberto Tesconi; Bugbee, William Dick	2016	7	3	2
<b>Analysis for Prognostic Factors from a Database for the Intra-Articular Hyaluronic Acid (Euflexxa) Treatment for Osteoarthritis of the Knee</b>	Altman, Roy D.; Farrokhyar, Forough; Fierlinger, Anke; Niazi, Faizan; Rosen, Jeffrey	2016	7	3	2
<b>Electromechanical Assessment of Human Knee Articular Cartilage with Compression-Induced Streaming Potentials</b>	Becher, Christoph; Ricklefs, Marcel; Willbold, Elmar; Hurschler, Christof; Abedian, Reza	2016	7	1	2
<b>Monitoring the Progression of Spontaneous Articular Cartilage Healing with Infrared Spectroscopy</b>	O'Brien, Megan P.; Penmatsa, Madhuri; Palukuru, Uday; West, Paul; Yang, Xu; Bostrom, Mathias P. G.; Freeman, Theresa; Pleshko, Nancy	2015	6	3	2
<b>Safety of Repeated Injections of Sodium Hyaluronate (SUPARTZ) for Knee Osteoarthritis: A Systematic Review and Meta-Analysis</b>	Bannuru, Raveendhara R.; Brodie, Christopher R.; Sullivan, Matthew C.; McAlindon, Timothy E.	2016	7	4	2
<b>Efficient, Low-Cost Nucleofection of Passaged Chondrocytes</b>	Parreno, Justin; Delve, Elizabeth; Andrejevic, Katarina; Paez-Parent, Sabrina; Wu, Po-han; Kandel, Rita	2016	7	1	2
<b>In Vivo Toxicity of Local Anesthetics and Corticosteroids on Chondrocyte and Synoviocyte Viability and Metabolism</b>	Sherman, Seth L.; James, Christopher; Stoker, Aaron M.; Cook, Cristi R.; Khazai, Ravand S.; Flood, David L.; Cook, James L.	2015	6	2	1
<b>Transplantation of Scaffold-Free Cartilage-Like Cell-Sheets Made from Human Bone Marrow Mesenchymal Stem Cells for Cartilage Repair: A Preclinical Study</b>	Itokazu, Maki; Wakitani, Shigeyuki; Mera, Hisashi; Tamamura, Yoshihiro; Sato, Yasushi; Takagi, Mutsumi; Nakamura, Hiroaki	2016	7	4	1
<b>Glucosamine Hydrochloride but Not Chondroitin Sulfate Prevents Cartilage Degradation and Inflammation Induced by Interleukin-1 alpha in Bovine Cartilage Explants</b>	Bascoil-Colombo, Cecile; Garaiova, Iveta; Plummer, Sue F.; Harwood, John L.; Caterson, Bruce; Hughes, Clare E.	2016	7	1	1
<b>Treatment of Hemophilic Ankle Arthropathy with One-Step Arthroscopic Bone Marrow-Derived Cells Transplantation</b>	Buda, Roberto; Cavallo, Marco; Castagnini, Francesco; Cenacchi, Annarita; Natali, Simone; Vannini, Francesca; Giannini, Sandro	2015	6	3	1



<b>Acute Delamination of Commercially Available Decellularized Osteochondral Allograft Plugs: A Report of Two Cases</b>	Degen, Ryan M.; Tetreault, Danielle; Mahony, Greg T.; Williams, Riley J.	2016	7	4	1
<b>Complex Meniscus Tears Treated with Collagen Matrix Wrapping and Bone Marrow Blood Injection: A 2-Year Clinical Follow-Up</b>	Piontek, Tomasz; Ciemniewska-Gorzela, Kinga; Naczek, Jakub; Jakob, Roland; Szulc, Andrzej; Grygorowicz, Monika; Slomczykowski, Michal	2016	7	2	1
<b>Cellular and Acellular Approaches for Cartilage Repair: A Philosophical Analysis</b>	Brittberg, Mats	2015	6	2	1
<b>The First Study of Cartilage by Magnetic Resonance: A Historical Account</b>	Xia, Yang; Stilbs, Peter	2016	7	4	1
<b>Expression of TGF- Signaling Regulator RBPMS (RNA-Binding Protein With Multiple Splicing) Is Regulated by IL-1 beta and TGF-beta Superfamily Members, and Decreased in Aged and Osteoarthritic Cartilage</b>	Shanmugaapriya, S.; van Caam, A.; de Kroon, L.; Vitters, Elly L.; Walgreen, B.; van Beuningen, H.; Davidson, E. Blaney; van der Kraan, Peter M.	2016	7	4	1
<b>Bilayer Implants: Electromechanical Assessment of Regenerated Articular Cartilage in a Sheep Model</b>	Schagemann, Jan C.; Rudert, Nicola; Taylor, Michelle E.; Sim, Sothead; Quenneville, Eric; Garon, Martin; Klinger, Mathias; Buschmann, Michael D.; Mittelstaedt, Hagen	2016	7	4	1
<b>A Novel Cross-Linked Hyaluronic Acid Porous Scaffold for Cartilage Repair: An In Vitro Study With Osteoarthritic Chondrocytes</b>	Bauer, Christoph; Berger, Manuela; Baumgartner, Renate R.; Hoeller, Sonja; Zwickl, Hannes; Niculescu-Morzea, Eugenia; Halbwirth, Florian; Nehrer, Stefan	2016	7	3	1
<b>Regional Differential Genetic Response of Human Articular Cartilage to Impact Injury</b>	Vernon, Lauren L.; Vance, Danica D.; Wang, Liyong; Rampersaud, Evadnie; Vance, Jeffery M.; Pericak-Vance, Margaret; Huang, C. -Y. Charles; Kaplan, Lee D.	2016	7	2	1
<b>Cartilage Degeneration and Alignment in Severe Varus Knee Osteoarthritis</b>	Nakagawa, Yasuaki; Mukai, Shogo; Yabumoto, Hiromitsu; Tarumi, Eri; Nakamura, Takashi	2015	6	4	1
<b>The Challenge and the Promise of Bone Marrow Cells for Human Cartilage Repair</b>	Chu, Constance R.	2015	6	2	1
<b>Serum Cartilage Oligomeric Matrix Protein Levels in Collegiate Soccer Athletes over the Duration of an Athletic Season: A Pilot Study</b>	Mateer, Jessica L.; Hoch, Johanna M.; Mattacola, Carl G.; Butterfield, Timothy A.; Lattermann, Christian	2015	6	1	1
<b>Internal Fixation of Unstable Osteochondritis Dissecans in the Skeletally Mature Knee with Metal Screws</b>	Barrett, Ian; King, Alexander H.; Riester, Scott; van Wijnen, Andre; Levy, Bruce A.; Stuart, Michael J.; Krych, Aaron J.	2016	7	2	0
<b>Pilot Study of Cartilage Repair in the Knee Joint with Multiply Incised Chondral Allograft</b>	Bardos, Tamas; Vancsodi, Jozsef; Farkas, Boglarka; Fazekas, Adam; Nagy, Szilvia Anett; Bogner, Peter; Vermes, Csaba; Than, Peter	2015	6	2	0
<b>The Chondroprotective Role of Erythromycin in a Murine Joint Destruction Model</b>	Uchimura, Tomoya; Foote, Andrea T.; Markel, David C.; Ren, Weiping; Zeng, Li	2016	7	4	0
<b>Ultrasonographic Assessment of the Distal Femoral Cartilage Thickness in Patients with Homozygous Sickle Cell Disease</b>	Yildizgoren, Mustafa Turgut; Helvacı, Mehmet Rami; Ustun, Nilgun; Osmanoglu, Kasim; Turhanoglu, Ayse Dicle	2016	7	3	0
<b>Viability of Pathologic Cartilage Fragments as a Source for Autologous Chondrocyte Cultures</b>	Guillen-Garcia, Pedro; Rodriguez-Inigo, Elena; Guillen-Vicente, Isabel; Guillen-Vicente, Marta; Fernandez-Jaen, Tomas; Concejero, Vicente; Val, Daniel; Maestro, Antonio; Abelow, Steve; Manuel Lopez-Alcorocho, Juan	2016	7	2	0
<b>Mapping Chondrocyte Viability, Matrix Glycosaminoglycan, and Water Content on the Surface of a Bovine Metatarsophalangeal Joint</b>	Lin, Yi-Cheng; Hall, Andrew C.; Smith, Innes D. M.; Salter, Donald M.; Simpson, A. Hamish R. W.	2016	7	2	0

<b>Letter to the Editor for Management of Osteoarthritis with Avocado/Soybean Unsaponifiables</b>	Cornblatt, Brian S.	2016	7	1	0
<b>Effects of Adipokines and Insulin on Intracellular pH, Calcium Concentration, and Responses to Hypo-Osmolarity in Human Articular Chondrocytes from Healthy and Osteoarthritic Cartilage</b>	Sanchez, Julio C.; Lopez-Zapata, Diego F.	2015	6	1	0
<b>Superficial Zone Extracellular Matrix Extracts Enhance Boundary Lubrication of Self-Assembled Articular Cartilage</b>	Peng, Gordon; McNary, Sean M.; Athanasiou, Kyriacos A.; Reddi, A. Hari	2016	7	3	0
<b>Mandibular Cartilage Collagen Network Nanostructure: Insights for Regeneration</b>	Berg-Foels, Wendy S. Vanden	2016	7	3	0
<b>Defining Pre-Osteoarthritis Is Key to Prevention</b>	Chu, Constance R.	2016	7	2	0
<b>Response to the Letter to the Editor for Management of Osteoarthritis with Avocado/Soybean Unsaponifiables</b>	Christiansen, Blaine A.; Bhatti, Simrit; Goudarzi, Ramin; Emami, Shahin	2016	7	1	0
<b>Repairing Osteochondral Defects of Critical Size Using Multiple Costal Grafts: An Experimental Study</b>	Du, Dajiang; Sugita, Norihiko; Liu, Zhen; Moriguchi, Yu; Nakata, Ken; Myoui, Akira; Yoshikawa, Hideki	2015	6	4	0
<b>Comparison of Efficacy of Endogenous and Exogenous IGF-I in Stimulating Matrix Production in Neonatal and Mature Chondrocytes</b>	Aguilar, Izath N.; Trippel, Stephen B.; Shi, Shuiliang; Bonassar, Lawrence J.	2015	6	4	0
<b>Changes in Chondrogenic Progenitor Populations Associated with Aging and Osteoarthritis</b>	Brady, Kyla; Dickinson, Sally C.; Hollander, Anthony P.	2015	6	2	0
<b>Chondronauts and Arthronauts, a Matter of Attitude</b>	Inigo Pavlovich, Rafael	2015	6	1	0

## Strategies for Boosting Impact Factor

Quantitative metrics are of increasing importance in the evaluation of scholarly research, as universities, governments, and funding bodies try to find ways of making their hiring, funding, and investment decisions according to measurable criteria. This has had a significant effect on journals publishing, with the well-known Impact Factor quickly brought into play as a ready-made indicator of the quality and significance of a published piece of work.

At SAGE we are determined to support our journal editors and publishing partners in maximizing citations to the articles they publish without ever trying to 'game' the system, which can only compromise perceived quality.

We do this specifically by providing editors with the tools to make informed decisions about what sorts of articles and topics they might wish to commission, which potential authors to contact for relevant papers, etc. More generally, all our marketing and online activities are developed with the aim of increasing citations.

You should consider the following strategies to increase the citation performance of your journal:

- **Utilize and increase size of your Editorial Board:** These are the people who best know the journal, and who are in the best position to actively recruit for the journal. Utilize them as a resource! Encourage them to cite the journal in their writing when relevant. We say "when relevant," because encouraging editorial board members to always cite the journal could lead to high self-citation rates.
- **Enhance your Editorial Board:** A well respected editorial board can bring in impactful work simply through name recognition. Try to increase international editorial board representation as this will help increase the international presence of your journal, and encourage more international manuscript submissions. Invite editors of competing journals to join your board as well.
- **Solicit papers from highly-cited authors:** Analysis of highly-cited content from both your own journal and competing titles will give you a sense of which authors could be invited back or asked to publish in the journal, or invited to edit a future special issue.
- **Recognize your highly cited authors:** consider starting an annual award to highlight and recognize your top cited authors each year.
- **Identify highly-cited papers in your journal and related titles:** These are indicative of emerging trends and hot topics. You can then actively call for papers on these topics and consider them for special sections or special issues. Ask your SAGE Editor to provide you with a list of highly-cited articles in particular journals or across the subject category.
- **Identify zero-cited papers:** A percentage of published articles may never be cited at all. Review which topics are not attracting citations and feed this information into your publishing strategy. It is important to remember that some papers can take a long time to build up citations (though of course older papers will not influence the Impact Factor). For example, if a paper published in 2015 wasn't cited at all in 2017, that would be a low-performing paper in terms of citations. Of course, "not cited" doesn't mean "not read." Strike a balance between maximizing citations and serving your readership.



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- **Publish more articles with multiple authors:** Articles with 11 or more authors get cited more, according to a study presented at International Congress on Peer Review and Biomedical Publication in Chicago 2013.
- **Publish editorials about the most important articles in your journal:** Your recommendation could help draw more attention to an article, or will give it added weight when an author considers whom to cite.
- **Require a thorough description of methodologies:** While this isn't always possible, methodological articles tend to be cited more because of their applicability.
- **Review articles:** Comprehensive review articles are likely to attract a high number of readers and citations. It's a good idea to actively recruit review articles; you may even like to consider appointing a dedicated reviews editor for this purpose.
- **Special issues:** Special or themed issues on high-impact topics can attract a lot of attention and citations. Including a review article that discusses the literature can also help attract citations.
- **Consider adding an "Editor's Choice" collection:** Identify paper(s) in each issue that the Editor believes are most likely to be cited. Place them in an "Editor's Choice" collection, or highlight them in the journal's eTOC alerts, in online TOC, and via social networking sites. These could also be highlighted in regular updates to Call for Papers. Editors and board members should also be encouraged to share these papers via social networking sites, especially if they use academic sites like Mendeley. Also consider highlighting articles and making them freely available online for short period of time.
- **Keep tabs on your [Altmetrics scores](#):** Altmetrics scores can indicate social and media impact through a [variety of sources](#) (for example policy documents, news, blogs, social media, YouTube, etc.). If you notice an article with high Altmetrics scores, point this article out to your publishing editor. It may be a good candidate to feature in an editor's choice collection or other announcement.
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- **Publish your "hot" articles at the beginning of the year:** Frontload your journal with several big name articles at the beginning of the year – those articles have the most time to be cited within their ISI year.



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- **OnlineFirst:** Publishing accepted articles online prior to print and electronic publication in the journal issue means that they can be cited earlier.
- **Be timely:** Try to publish issues on time, and avoid being chronically weeks late. Utilize OnlineFirst by submitting each accepted article immediately, instead of submitting issue by issue. Keep the backlog under two years to make sure any self-citations count.
- **Remind authors and reviewers of relevant papers previously published:** Although very high levels of self-citation can lead to being ejected from the Thomson Reuters Journal Citation Reports, it is perfectly common for your authors to cite work from articles previously published in the journal. Reviewers could be encouraged to check that submitted papers are making sufficient reference to the journal, if relevant. Making journal self-citation a condition for publication, however, or specifying particular citations to submitting authors, is unethical and should not be done.
- **Article to Volume ratios:** The number of articles or other citable items published per volume will affect the Impact Factor calculation. SAGE can advise you on how to ensure that the ratio is optimized and that Thomson Reuters is indexing your content appropriately.
- **Keywords:** review the keywords authors are using with your journal editor. Do they accurately reflect the article content? These keywords directly affect the [discoverability of your content](#)
- **Other ideas:** Limit case reports, increase international submissions, include funding acknowledgements, and make sure your Aims & Scope are up to date to attract the most relevant articles.