

**Table S1.** The top 100 most influential root canal disinfection articles ranked by the highest relative citation rates and top 100 most cited. 1990-2019.

RCR RANK	Nº cites RANK	References	RCR	No. cites
1	1	Zehnder, M. Root canal irrigants. <i>J Endod.</i> <b>2006</b> , <i>32</i> , 389-398.	40.46	774
2	6	Sjögren, U.; Figgdr, D.; Spångberg, L.; Sundqvist, G. The antimicrobial effect of calcium hydroxide as a short-term intracanal dressing. <i>Int Endod J.</i> <b>1991</b> , <i>24</i> , 119-25.	32.49	360
3	4	Orstavik, D.; Haapasalo, M. Disinfection by endodontic irrigants and dressings of experimentally infected dentinal tubules. <i>Endod Dent Traumatol.</i> <b>1990</b> , <i>6</i> , 142-9.	30.12	393
4	8	Sjögren, U.; Figgdr, D.; Persson, S.; Sundqvist, G. Influence of infection at the time of root filling on the outcome of endodontic treatment of teeth with apical periodontitis. <i>Int Endod J.</i> <b>1997</b> , <i>30</i> , 297-306.	23.38	356
5	2	Stuart, C.H.; Schwartz, S.A.; Beeson, T.J.; Owatz, C.B. Enterococcus faecalis: its role in root canal treatment failure and current concepts in retreatment. <i>J Endod.</i> <b>2006</b> , <i>32</i> , 93-8.	18.62	440
6	5	Nair, P.N.; Henry, S.; Cano, V.; Vera, J. Microbial status of apical root canal system of human mandibular first molars with primary apical periodontitis after "one-visit" endodontic treatment. <i>Oral Surg Oral Med Oral Pathol Oral Radiol Endod.</i> <b>2005</b> , <i>99</i> , 231-52.	18.61	385
7	11	Gu, L.S.; Kim, J.R.; Ling, J.; Choi, K.K.; Pashley, D.H.; Tay, F.R. Review of contemporary irrigant agitation techniques and devices. <i>J Endod.</i> <b>2009</b> , <i>35</i> , 791-804.	18.05	285
8	13	Ng, Y.L.; Mann, V.; Gulabivala, K. A prospective study of the factors affecting outcomes of non surgical root canal treatment: part 1: periapical health. <i>Int Endod J.</i> <b>2011</b> , <i>44</i> , 583-609.	17.47	256
9	20	Jeansonne MJ, White RR. A comparison of 2.0% chlorhexidine gluconate and 5.25% sodium hypochlorite as antimicrobial endodontic irrigants. <i>J Endod.</i> <b>1994</b> , <i>20</i> , 276-8.	17.46	207
10	3	Banchs, F.; Trope, M. Revascularization of immature permanent teeth with apical periodontitis: new treatment protocol? <i>J Endod.</i> <b>2004</b> , <i>30</i> , 196-200.	16.76	423
11	9	Siqueira, J.F.; Lopes, H.P. Mechanisms of antimicrobial activity of calcium hydroxide: a critical review. <i>Int Endod J.</i> <b>1999</b> , <i>32</i> , 361-9.	16.75	331
12	49	Safavi, K.E.; Spangberg, L.S.; Langeland, K. Root canal dentinal tubule disinfection. <i>J Endod.</i> <b>1990</b> , <i>16</i> , 207-10.	16.18	152
13	10	Torabinejad, M.; Khademi, A.A.; Babagoli, J.; Cho, Y.; Johnson, W.B.; Bozhilov, K.; Kim, J.; Shabahang, S. A new solution for the removal of the smear layer. <i>J Endod.</i> <b>2003</b> , <i>29</i> , 170-5.	15.41	289
14	42	Nerwiche, A.; Figgdr, D.; Messer, H.H. pH changes in root dentin over a 4-weekperiod following root canal dressing with calcium hydroxide. <i>J Endod.</i> <b>1993</b> , <i>19</i> , 302-6.	15.29	159
15	12	van der Sluis, L.W.; Versluis, M.; Wu, M.K.; Wesselink, P.R. Passive ultrasonicirrigation of the root canal: a review of the literature. <i>Int Endod J.</i> <b>2007</b> , <i>40</i> , 415-26.	14.7	280
16	7	Murray, P.E.; Garcia-Godoy, F.; Hargreaves, K.M. Regenerative endodontics: a review of current status and a call for action. <i>J Endod.</i> <b>2007</b> , <i>33</i> , 377-90.	13.95	357
17	21	Ruparel, N.B.; Teixeira, F.B.; Ferraz, C.C.; Diogenes, A. Direct effect of intracanal medicaments on survival of stem cells of the apical papilla. <i>J Endod.</i> <b>2012</b> , <i>38</i> , 1372-5.	13.8	207
18	15	Shuping, G.B.; Orstavik, D.; Sigurdsson, A.; Trope, M. Reduction of intracanal bacteria using nickel-titanium rotary instrumentation and various medications. <i>J Endod.</i> <b>2000</b> , <i>26</i> , 51-5.	13.49	245
19	16	Torabinejad, M.; Handysides. R.; Khademi, A.A.; Bakland, L.K. Clinical implications of the smear layer in Endodontics: a review. <i>Oral Surg Oral Med Oral Pathol Oral Radiol Endod.</i> <b>2002</b> , <i>94</i> , 658-66.	13.37	245

20	27	Mohammadi, Z.; Dummer, P.M. Properties and applications of calcium hydroxide in endodontics and dental traumatology. <i>Int Endod J.</i> <b>2011</b> , <i>44</i> , 697-730.	13.17	195
21	22	Violich, D.R.; Chandler, N.P. The smear layer in endodontics - a review. <i>Int Endod J.</i> <b>2010</b> , <i>43</i> , 2-15.	13.15	204
22	14	Gomes, B.P.; Ferraz, C.C.; Vianna, M.E.; Berber, V.B.; Teixeira, F.B.; Souza-Filho, F.J. In vitro antimicrobial activity of several concentrations of sodium hypochlorite and chlorhexidine gluconate in the elimination of <i>Enterococcus faecalis</i> . <i>Int Endod J.</i> <b>2001</b> , <i>34</i> , 424-8.	12.72	247
23	17	Bose, R.; Nummikoski, P.; Hargreaves, K. A retrospective evaluation of radiographic outcomes in immature teeth with necrotic root canal systems treated with regenerative endodontic procedures. <i>J Endod.</i> <b>2009</b> , <i>35</i> , 1343-9.	12.68	235
24	18	Calt, S.; Serper, A. Time-dependent effects of EDTA on dentin structures. <i>J Endod.</i> <b>2002</b> , <i>28</i> , 17-9.	12.64	232
25	25	Haapasalo, M.; Shen, Y.; Qian, W.; Gao, Y. Irrigation in endodontics. <i>Dent Clin North Am.</i> <b>2010</b> , <i>54</i> , 291-312.	12.49	199
26	73	Baumgartner, J.C.; Cuenin, P.R. Efficacy of several concentrations of sodium hypochlorite for root canal irrigation. <i>J Endod.</i> <b>1992</b> , <i>18</i> , 605-12.	12.14	131
27	19	Hülsmann, M.; Heckendorff, M.; Lennon, A. Chelating agents in root canal treatment: mode of action and indications for their use. <i>Int Endod J.</i> <b>2003</b> , <i>36</i> , 810-30.	11.53	221
28	60	Sen, B.H.; Wesselink, P.R.; Türkün, M. The smear layer: a phenomenon in root canal therapy. <i>Int Endod J.</i> <b>1995</b> , <i>28</i> , 141-8.	11.32	144
29	28	Hülsmann, M.; Hahn, W. Complications during root canal irrigation-literature review and case reports. <i>Int Endod J.</i> <b>2000</b> , <i>33</i> , 186-93.	11.27	193
30	43	White, R.R.; Hays, G.L.; Janer, L.R. Residual antimicrobial activity after canal irrigation with chlorhexidine. <i>J Endod.</i> <b>1997</b> , <i>23</i> , 229-31.	11.24	158
31	29	Mohammadi, Z.; Abbott, P.V. The properties and applications of chlorhexidine in endodontics. <i>Int Endod J.</i> <b>2009</b> , <i>42</i> , 288-302.	11.19	185
32	45	Chen, M.Y.; Chen, K.L.; Chen, C.A.; Tayebaty, F.; Rosenberg, P.A.; Lin, L.M. Responses of immature permanent teeth with infected necrotic pulp tissue and apical periodontitis/abscess to revascularization procedures. <i>Int Endod J.</i> <b>2012</b> , <i>45</i> , 294-305.	10.87	157
33	-	Swimberghe, R.C.D.; Coenye, T.; De Moor, R.J.G.; Meire, M.A. Biofilm model systems for root canal disinfection: a literature review. <i>Int Endod J.</i> <b>2019</b> , <i>52</i> , 604-628.	10.8	26
34	39	Tay, F.R.; Gu, L.S.; Schoeffel, G.J.; Wimmer, C.; Susin, L.; Zhang, K.; Arun, S.N.; Kim, J.; Looney, S.W.; Pashley, D.H. Effect of vapor lock on root canal debridement by using aside-vented needle for positive-pressure irrigant delivery. <i>J Endod.</i> <b>2010</b> , <i>36</i> , 745-50.	10.56	165
35	31	Sim, T.P.; Knowles, J.C.; Ng, Y.L.; Shelton, J.; Gulabivala, K. Effect of sodium hypochlorite on mechanical properties of dentine and tooth surface strain. <i>Int Endod J.</i> <b>2001</b> , <i>34</i> , 120-32.	10.49	181
36	54	Sen, B.H.; Piskin, B.; Demirci, T. Observation of bacteria and fungi in infected root canals and dentinal tubules by SEM. <i>Endod Dent Traumatol.</i> <b>1995</b> , <i>11</i> , 6-9.	10.49	148
37	82	Martin, D.E.; De Almeida, J.F.; Henry, M.A.; Khaing, Z.Z.; Schmidt, C.E.; Teixeira, F.B.; Diogenes, A. Concentration-dependent effect of sodium hypochlorite on stem cells of apical papilla survival and differentiation. <i>J Endod.</i> <b>2014</b> , <i>40</i> , 51-5.	10.28	123
38	34	Kim, J.H.; Kim, Y.; Shin, S.J.; Park, J.W.; Jung, I.Y. Tooth discoloration of immature permanent incisor associated with triple antibiotic therapy: a case report. <i>J Endod.</i> <b>2010</b> , <i>36</i> , 1086-91.	10.21	173
39	23	Haapasalo, H.K.; Sirén, E.K.; Waltimo, T.M.; Ørstavik, D.; Haapasalo, M.P. Inactivation of local root canal medicaments by dentine: an in vitro study. <i>Int Endod J.</i> <b>2000</b> , <i>33</i> , 126-31.	10.01	203
40	-	Vahdaty, A.; Pitt Ford, T.R.; Wilson, R.F. Efficacy of chlorhexidine in disinfecting dentinal tubules in vitro. <i>Endod Dent Traumatol.</i> <b>1993</b> , <i>9</i> , 243-8.	9.96	99

41	24	Gomes, B.P.; Souza, S.F.; Ferraz, C.C.; Teixeira, F.B.; Zaia, A.A.; Valdrighi, L.; Souza-Filho, F.J. Effectiveness of 2% chlorhexidine gel and calcium hydroxide against Enterococcus faecalis in bovine root dentine in vitro. <i>Int Endod J.</i> <b>2003</b> , 36, 267-75.	9.96	200
42	51	Hargreaves, K.M.; Diogenes, A.; Teixeira, F.B. Treatment options: biological basis of regenerative endodontic procedures. <i>J Endod.</i> <b>2013</b> , 39, S30-43.	9.92	149
43	-	Plotino, G.; Grande, N.M.; Mercade, M. Photodynamic therapy in endodontics. <i>Int Endod J.</i> <b>2019</b> , 52, 760-774.	9.84	22
44	52	Nosrat, A.; Seifi, A.; Asgary, S. Regenerative endodontic treatment (revascularization) for necrotic immature permanent molars: a review and report of two cases with a new biomaterial. <i>J Endod.</i> <b>2011</b> , 37, 562-7.	9.83	149
45	-	Ohara, P.; Torabinejad, M.; Kettering, J.D. Antibacterial effects of various endodontic irrigants on selected anaerobic bacteria. <i>Endod Dent Traumatol.</i> <b>1993</b> , 9, 95-100.	9.83	98
46	-	Levy, G. Cleaning and shaping the root canal with a Nd:YAG laser beam: a comparative study. <i>J Endod.</i> <b>1992</b> , 18, 123-7.	9.83	85
47	38	Trevino, E.G.; Patwardhan, A.N.; Henry, M.A.; Perry, G.; Dybdal-Hargreaves, N.; Hargreaves, K.M.; Diogenes, A. Effect of irrigants on the survival of human stem cells of the apical papilla in a platelet-rich plasma scaffold in human root tips. <i>J Endod.</i> <b>2011</b> , 37, 1109-15.	9.82	166
48	40	Sato, I.; Ando-Kurihara, N.; Kota, K.; Iwaku, M.; Hoshino, E. Sterilization of infected root-canal dentine by topical application of a mixture of ciprofloxacin, metronidazole and minocycline in situ. <i>Int Endod J.</i> <b>1996</b> , 29, 118-24.	9.75	164
49	-	Căpută, P.E.; Retsas, A.; Kuijk, L.; Chávez de Paz, L.E.; Boutsikis, C. Ultrasonic irrigant activation during root canal treatment: a systematic review. <i>J Endod.</i> <b>2019</b> , 45, 31-44.e13.	9.52	18
50	70	Trope, M.; Delano, E.O.; Orstavik, D. Endodontic treatment of teeth with apical periodontitis: single vs. multivisit treatment. <i>J Endod.</i> <b>1999</b> , 25, 345-50.	9.38	132
51	80	Vera, J.; Siqueira, J.F. Jr.; Ricucci, D.; Loghin, S.; Fernández, N.; Flores, B.; Cruz, A.G. One-versus two-visit endodontic treatment of teeth with apical periodontitis: a histobacteriologic study. <i>J Endod.</i> <b>2012</b> , 38, 1040-52.	9.31	124
52	55	Leonardo, M.R.; Tanomaru Filho, M.; Silva, L.A.; Nelson Filho, P.; Bonifácio, K.C.; Ito, I.Y. In vivo antimicrobial activity of 2% chlorhexidine used as a root canal irrigating solution. <i>J Endod.</i> <b>1999</b> , 25, 167-71.	9.29	148
53	-	Kim, S.G.; Malek, M.; Sigurdsson, A.; Lin, L.M.; Kahler, B. Regenerative endodontics: a comprehensive review. <i>Int Endod J.</i> <b>2018</b> , 51, 1367-1388.	9.28	49
54	33	Ding, R.Y.; Cheung, G.S.; Chen, J.; Yin, X.Z.; Wang, Q.Q.; Zhang, C.F. Pulp revascularization of immature teeth with apical periodontitis: a clinical study. <i>J Endod.</i> <b>2009</b> , 35, 745-9.	9.23	176
55	92	Siqueira, J.F. Jr.; de Uzeda, M. Intracanal medicaments: evaluation of the antibacterial effects of chlorhexidine, metronidazole, and calcium hydroxide associated with three vehicles. <i>J Endod.</i> <b>1997</b> , 23, 167-9.	9.2	118
56	32	Siqueira, J.F. Jr.; Rôças, I.N.; Favieri, A.; Lima, K.C. Chemomechanical reduction of the bacterial population in the root canal after instrumentation and irrigation with 1%, 2.5%, and 5.25% sodium hypochlorite. <i>J Endod.</i> <b>2000</b> , 26, 331-4.	9.2	181
57	76	Martin, G.; Ricucci, D.; Gibbs, J.L.; Lin, L.M. Histological findings of revascularized/revitalized immature permanent molar with apical periodontitis using platelet-rich plasma. <i>J Endod.</i> <b>2013</b> , 39, 138-44.	9.16	129
58	36	Card, S.J.; Sigurdsson, A.; Orstavik, D.; Trope, M. The effectiveness of increased apical enlargement in reducing intracanal bacteria. <i>J Endod.</i> <b>2002</b> , 28, 779-83.	9.01	172
59	66	Berutti, E.; Marini, R.; Angeretti, A. Penetration ability of different irrigants into dentinal tubules. <i>J Endod.</i> <b>1997</b> , 23, 725-7.	8.99	135
60	-	Versiani, M.A.; Leoni, G.B.; Steier, L.; De-Deus, G.; Tassani, S.; Pécora, J.D.; de Sousa-Neto, M.D. Micro-computed tomography study of oval-shaped canals	8.88	105

		prepared with the self-adjusting file, Reciproc, WaveOne, and ProTaper universal systems. <i>J Endod.</i> <b>2013</b> , 39, 1060-6.		
61	-	Zandi, H.; Petronijevic, N.; Mdala, I.; Kristoffersen, A.K.; Enersen, M.; Rôças, I.N.; Siqueira, J.F. Jr.; Ørstavik, D. Outcome of Endodontic retreatment using 2 root canal irrigants and influence of infection on healing as determined by a molecular method: a randomized clinical trial. <i>J Endod.</i> <b>2019</b> , 45, 1089-1098.e5.	8.85	16
62	-	Haapasalo, M.; Shen, Y.; Wang, Z.; Gao, Y. Irrigation in Endodontics. <i>Br Dent J.</i> <b>2014</b> , 216, 299-303.	8.81	94
63	-	Garberoglio, R.; Becce, C. Smear layer removal by root canal irrigants. A comparative scanning electron microscopic study. <i>Oral Surg Oral Med Oral Pathol.</i> <b>1994</b> , 78, 359-67.	8.7	95
64	26	Peculiaiene, V.; Reynaud, A.H.; Balciuniene, I.; Haapasalo, M. Isolation of yeasts and enteric bacteria in root-filled teeth with chronic apical periodontitis. <i>Int Endod J.</i> <b>2001</b> , 34, 429-34.	8.68	196
65	77	Siqueira, J.F. Jr.; Batista, M.M.; Fraga, R.C.; de Uzeda, M. Antibacterial effects of endodontic irrigants on black-pigmented gram-negative anaerobes and facultative bacteria. <i>J Endod.</i> <b>1998</b> , 24, 414-6.	8.61	129
66	98	Wu, M.K.; Wesselink, P.R. Efficacy of three techniques in cleaning the apical portion of curved root canals. <i>Oral Surg Oral Med Oral Pathol Oral Radiol Endod.</i> <b>1995</b> , 79, 492-6.	8.59	113
67	-	Galler, K.M.; Buchalla, W.; Hiller, K.A.; Federlin, M.; Eidt, A.; Schiefersteiner, M.; Schmalz, G. Influence of root canal disinfectants on growth factor release from dentin. <i>J Endod.</i> <b>2015</b> , 41, 363-8.	8.5	92
68	37	Jung, I.Y.; Lee, S.J.; Hargreaves, K.M. Biologically based treatment of immature permanent teeth with pulpal necrosis: a case series. <i>J Endod.</i> <b>2008</b> , 34, 876-87.	8.46	170
69	83	Kuruvilla, J.R.; Kamath, M.P. Antimicrobial activity of 2.5% sodium hypochlorite and 0.2% chlorhexidine gluconate separately and combined, as endodontic irrigants. <i>J Endod.</i> <b>1998</b> , 24, 472-6.	8.37	123
70	85	Safavi, K.E.; Nichols, F.C. Effect of calcium hydroxide on bacterial lipopolysaccharide. <i>J Endod.</i> <b>1993</b> , 19, 76-8.	8.32	122
71	-	Kontakiotis, E.G.; Filippatos, C.G.; Tzanetakis, G.N.; Agrafioti, A. Regenerative endodontic therapy: a data analysis of clinical protocols. <i>J Endod.</i> <b>2015</b> , 41, 146-54.	8.28	84
72	-	Peters, L.B.; Wesselink, P.R.; Moorer, W.R. The fate and the role of bacteria left in root dentinal tubules. <i>Int Endod J.</i> <b>1995</b> , 28, 95-9.	8.28	102
73	-	Siqueira, J.F. Jr.; de Uzeda, M. Disinfection by calcium hydroxide pastes of dentinal tubules infected with two obligate and one facultative anaerobic bacteria. <i>J Endod.</i> <b>1996</b> , 22, 674-6.	8.23	103
74	-	Silva, E.J.N.L.; Carvalho, C.R.; Belladonna, F.G.; Prado, M.C.; Lopes, R.T.; De-Deus, G.; Moreira, E.J.L. Micro-CT evaluation of different final irrigation protocols on the removal of hard-tissue debris from isthmus-containing mesial root of mandibular molars. <i>Clin Oral Investig.</i> <b>2019</b> , 23, 681-687.	8.14	15
75	94	Takeda, F.H.; Harashima, T.; Kimura, Y.; Matsumoto, K. A comparative study of the removal of smear layer by three endodontic irrigants and two types of laser. <i>Int Endod J.</i> <b>1999</b> , 32, 32-9.	8.12	117
76	30	Estrela, C.; Estrela, C.R.; Barbin, E.L.; Spanó, J.C.; Marchesan, M.A.; Pécora, J.D. Mechanism of action of sodium hypochlorite. <i>Braz Dent J.</i> <b>2002</b> , 13, 113-7.	8.11	184
77	-	Wigler, R.; Kaufman, A.Y.; Lin, S.; Steinbock, N.; Hazan-Molina, H.; Torneck, C.D. Revascularization: a treatment for permanent teeth with necrotic pulp and incomplete root development. <i>J Endod.</i> <b>2013</b> , 39, 319-26.	8.1	109
78	74	Fava, L.R.; Saunders, W.P. Calcium hydroxide pastes: classification and clinical indications. <i>Int Endod J.</i> <b>1999</b> , 32, 257-82.	8.07	131
79	91	Desai, P.; Himel, V. Comparative safety of various intracanal irrigation systems. <i>J Endod.</i> <b>2009</b> , 35, 545-9.	7.95	119

80	58	Reynolds, K.; Johnson, J.D.; Cohenca, N. Pulp revascularization of necrotic bilateral bicuspids using a modified novel technique to eliminate potential coronal discolouration: a case report. <i>Int Endod J.</i> <b>2009</b> , <i>42</i> , 84-92.	7.94	145
81	64	Torabinejad, M.; Cho, Y.; Khademi, A.A.; Bakland, L.K.; Shabahang, S. The effect of various concentrations of sodium hypochlorite on the ability of MTAD to remove the smear layer. <i>J Endod.</i> <b>2003</b> , <i>29</i> , 233-9.	7.84	139
82	86	Lottanti, S.; Gautschi, H.; Sener, B.; Zehnder, M. Effects of ethylenediaminetetraacetic, etidronic and peracetic acid irrigation on human root dentine and the smear layer. <i>Int Endod J.</i> <b>2009</b> , <i>42</i> , 335-43.	7.83	122
83	79	Shen, Y.; Stojicic, S.; Haapasalo, M. Antimicrobial efficacy of chlorhexidine against bacteria in biofilms at different stages of development. <i>J Endod.</i> <b>2011</b> , <i>37</i> , 657-61.	7.82	126
84	-	Camilleri, J. Color stability of white mineral trioxide aggregate in contact with hypochlorite solution. <i>J Endod.</i> <b>2014</b> , <i>40</i> , 436-40.	7.79	77
85	53	Shah, N.; Logani, A.; Bhaskar, U.; Aggarwal, V. Efficacy of revascularization to induce apexification/apexogenesis in infected, nonvital, immature teeth: a pilot clinical study. <i>J Endod.</i> <b>2008</b> , <i>34</i> , 919-25; Discussion 1157.	7.62	149
86	61	Galler, K.M.; D'Souza, R.N.; Federlin, M.; Cavender, A.C.; Hartgerink, J.D.; Hecker, S.; Schmalz, G. Dentin conditioning codetermines cell fate in regenerative endodontics. <i>J Endod.</i> <b>2011</b> , <i>37</i> , 1536-41.	7.62	141
87	65	Nielsen, B.A.; Craig Baumgartner, J. Comparison of the EndoVac system to need irrigation of root canals. <i>J Endod.</i> <b>2007</b> , <i>33</i> , 611-5.	7.61	137
88	48	Vianna, M.E.; Gomes, B.P.; Berber, V.B.; Zaia, A.A.; Ferraz, C.C.; de Souza-Filho, F.J. In vitro evaluation of the antimicrobial activity of chlorhexidine and sodium hypochlorite. <i>Oral Surg Oral Med Oral Pathol Oral Radiol Endod.</i> <b>2004</b> , <i>97</i> , 79-84.	7.55	153
89	-	Chong, B.S.; Pitt Ford, T.R. The role of intracanal medication in root canal treatment. <i>Int Endod J.</i> <b>1992</b> , <i>25</i> , 97-106.	7.55	75
90	-	Stojicic, S., Shen, Y.; Qian, W.; Johnson, B.; Haapasalo, M. Antibacterial and smear layer removal ability of a novel irrigant, QMiX. <i>Int Endod J.</i> <b>2012</b> , <i>45</i> , 363-71.	7.47	99
91	67	Gutarts, R.; Nusstein, J.; Reader, A.; Beck, M. In vivo debridement efficacy of ultrasonic irrigation following hand-rotary instrumentation in human mandibular molars. <i>J Endod.</i> <b>2005</b> , <i>31</i> , 166-70.	7.43	135
92	75	Mohammadi, Z. Sodium hypochlorite in Endodontics: an update review. <i>Int Dent J.</i> <b>2008</b> , <i>58</i> , 329-41.	7.36	131
93	81	Ferraz, C.C.; Gomes, B.P.; Zaia, A.A.; Teixeira, F.B.; Souza-Filho, F.J. In vitro assessment of the antimicrobial action and the mechanical ability of chlorhexidine gel as an endodontic irrigant. <i>J Endod.</i> <b>2001</b> , <i>27</i> , 452-5.	7.35	124
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