

# Brian Zaugg

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

328  
citations

840585

11  
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940416

16  
g-index

32  
all docs

32  
docs citations

32  
times ranked

88  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimum on-time duty cycle for micropulse technology. Journal of Cataract and Refractive Surgery, 2014, 40, 1545-1548.	0.7	29
2	Determining Optimal Torsional Ultrasound Power for Cataract Surgery With Automatic Longitudinal Pulses at Maximum Vacuum Ex Vivo. American Journal of Ophthalmology, 2014, 158, 1262-1266.e2.	1.7	23
3	Torsional power study using CENTURION phacoemulsification technology. Clinical and Experimental Ophthalmology, 2016, 44, 710-713.	1.3	21
4	Phacoemulsification efficiency with a radiused phaco tip. Journal of Cataract and Refractive Surgery, 2014, 40, 818-821.	0.7	20
5	Intraocular pressure study using monitored forced-infusion system phacoemulsification technology. Journal of Cataract and Refractive Surgery, 2016, 42, 768-771.	0.7	18
6	Effect of pulsing ultrasound on phacoemulsification efficiency. Journal of Cataract and Refractive Surgery, 2015, 41, 2560-2564.	0.7	17
7	Comparison of venturi and peristaltic vacuum in phacoemulsification. Journal of Cataract and Refractive Surgery, 2015, 41, 428-432.	0.7	17
8	Comparison of a torsional and a standard tip with a monitored forced infusion phacoemulsification system. Journal of Cataract and Refractive Surgery, 2016, 42, 613-617.	0.7	16
9	Efficacy and safety of a 3-month loteprednol etabonate 0.5% gel taper for routine prophylaxis after photorefractive keratectomy compared to a 3-month prednisolone acetate 1% and fluorometholone 0.1% taper. Clinical Ophthalmology, 2017, Volume 11, 1113-1118.	0.9	15
10	Comparison of Vacuum and Aspiration on Phacoemulsification Efficiency and Chatter Using a Monitored Forced Infusion System. American Journal of Ophthalmology, 2016, 169, 162-167.	1.7	14
11	Phacoemulsification in review: Optimization of cataract removal in an in vitro setting. Survey of Ophthalmology, 2019, 64, 868-875.	1.7	14
12	Bent versus straight tips in micropulsed longitudinal phacoemulsification. Canadian Journal of Ophthalmology, 2015, 50, 354-359.	0.4	10
13	Optimization of transversal phacoemulsification settings in peristaltic mode using a new transversal ultrasound machine. Journal of Cataract and Refractive Surgery, 2017, 43, 1202-1206.	0.7	10
14	Optimization and comparison of a 0.7 mm tip with the 0.9 mm tip on an active-fluidics phacoemulsification platform. Journal of Cataract and Refractive Surgery, 2017, 43, 1591-1595.	0.7	9
15	High vacuum and aspiration on phacoemulsification efficiency and chatter for Centurion. Canadian Journal of Ophthalmology, 2019, 54, 136-138.	0.4	9
16	Effect of high vacuum and aspiration on phacoemulsification efficiency and chatter using a transversal ultrasound machine. Journal of Cataract and Refractive Surgery, 2018, 44, 1378-1383.	0.7	8
17	Impact of torsional micropulse on phacoemulsification efficiency and chatter. Canadian Journal of Ophthalmology, 2019, 54, 560-564.	0.4	8
18	Safety Profile of Venturi Versus Peristaltic Phacoemulsification Pumps in Cataract Surgery Using a Capsular Surrogate for the Human Lens. American Journal of Ophthalmology, 2015, 160, 179-184.e1.	1.7	7

#	ARTICLE	IF	CITATIONS
19	Determining optimal ultrasound percent on time with long-pulse torsional phacoemulsification. Canadian Journal of Ophthalmology, 2019, 54, 395-398.	0.4	7
20	Effect of chamber stabilization software on efficiency and chatter in a porcine lens model. Journal of Cataract and Refractive Surgery, 2017, 43, 1464-1467.	0.7	6
21	Accuracy of Alcon WaveLight <sup>®</sup> EX500 optical pachymetry during LASIK. Clinical Ophthalmology, 2017, Volume 11, 1513-1517.	0.9	6
22	Effect of increasing flow when grooving during phacoemulsification. Journal of Cataract and Refractive Surgery, 2018, 44, 623-626.	0.7	6
23	<p>The effect of increasing power when grooving using phacoemulsification</p>. Clinical Ophthalmology, 2019, Volume 13, 611-615.	0.9	6
24	Thermal evaluation of two phacoemulsification systems. Canadian Journal of Ophthalmology, 2016, 51, 14-18.	0.4	5
25	The Effect of Pulsing on Transverse Ultrasound Efficiency and Chatter. American Journal of Ophthalmology, 2017, 183, 107-110.	1.7	5
26	Optimum on-time duty cycle for a transversal ultrasound machine. Journal of Cataract and Refractive Surgery, 2018, 44, 1140-1143.	0.7	5
27	<p>Optimization of the Oertli CataRhex 3<sup>&reg;</sup> phacoemulsification machine</p>. Clinical Ophthalmology, 2019, Volume 13, 633-639.	0.9	5
28	Effects on phacoemulsification efficiency and chatter at variable longitudinal ultrasound settings when combined with constant torsional energy. Journal of Cataract and Refractive Surgery, 2020, 46, 774-777.	0.7	5
29	Optimum on-time and off-time combinations for micropulse phacoemulsification in venturi vacuum mode. Journal of Cataract and Refractive Surgery, 2019, 45, 1797-1800.	0.7	4
30	Optimizing Tip Diameter in Phacoemulsification of Varying Lens Sizes: An in vitro Study. Clinical Ophthalmology, 2021, Volume 15, 4475-4484.	0.9	2
31	Measurement of Phacoemulsification Vacuum Pressure in the Oertli CataRhex3. Clinical Ophthalmology, 0, Volume 16, 1731-1737.	0.9	1
32	Optimization of Phacoemulsification Tip Gauge on the Oertli CataRhex3 in an in vitro Setting. Clinical Ophthalmology, 2022, Volume 16, 1091-1097.	0.9	0