

# Kurt H Becker

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

522  
citations

1040056

9  
h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guest Editorial Special Issue on Plenary, Invited & Selected Minicourse Papers From ICOPS 2017. IEEE Transactions on Plasma Science, 2018, 46, 1869-1871.	1.3	0
2	Editorial for the Topical Issue: Recent Breakthroughs in Microplasma Science and Technology. European Physical Journal D, 2016, 70, 1.	1.3	0
3	Microplasma-Assisted Synthesis of Colloidal Gold Nanoparticles and Their Use in the Detection of Cardiac Troponin I (cTn-I). Plasma Processes and Polymers, 2015, 12, 380-391.	3.0	39
4	Atmospheric-pressure air plasams and air plasma ramparts. , 2014, , .		0
5	Tooth Bleaching Using Low Concentrations of Hydrogen Peroxide in the Presence of a Nonthermal Plasma Jet. IEEE Transactions on Plasma Science, 2013, 41, 325-329.	1.3	9
6	Cold Plasma Therapy of a Tooth Root Canal Infected with Enterococcus faecalis Biofilms InÂVitro. Journal of Endodontics, 2013, 39, 105-110.	3.1	131
7	An evaluation of anti-oxidative protection for cells against atmospheric pressure cold plasma treatment. Applied Physics Letters, 2012, 100, .	3.3	26
8	Assessment of the roles of various inactivation agents in an argon-based direct current atmospheric pressure cold plasma jet. , 2012, , .		37
9	Tooth Enamel Evaluation After Tooth Bleaching With Hydrogen Peroxide Assisted by a DC Nonthermal Atmospheric-Pressure Plasma Jet. IEEE Transactions on Plasma Science, 2012, 40, 2157-2162.	1.3	15
10	Assessment of the roles of various inactivation agents in an argon-based direct current atmospheric pressure cold plasma jet. Journal of Applied Physics, 2012, 111, .	2.5	62
11	Tooth Whitening With Hydrogen Peroxide Assisted by a Direct-Current Cold Atmospheric-Pressure Air Plasma Microjet. IEEE Transactions on Plasma Science, 2010, 38, 1892-1896.	1.3	67
12	A Novel Method of Tooth Whitening Using Cold Plasma Microjet Driven by Direct Current in Atmospheric-Pressure Air. IEEE Transactions on Plasma Science, 2010, 38, 3143-3151.	1.3	64
13	The Use of Nonthermal Plasmas in Environmental Applications. Springer Series on Atomic, Optical, and Plasma Physics, 2010, , 367-394.	0.2	4
14	Optimization of Large-Scale Ozone Generators. IEEE Transactions on Plasma Science, 2009, 37, 890-896.	1.3	39
15	Collisional and radiative processes in high-pressure discharge plasmas. Physics of Plasmas, 2002, 9, 2399-2404.	1.9	29
16	Complex urban systems: a living lab to understand urban processes and solve complex urban problems. European Physical Journal: Special Topics, 0, , .	2.6	0