

# Edward S Krebs

## List of Publications by Year in descending order

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35  
papers

381  
citations

840776

11  
h-index

794594

19  
g-index

40  
all docs

40  
docs citations

40  
times ranked

174  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the reflection and transmission of viscoelastic waves—Some numerical results. <i>Geophysics</i> , 1984, 49, 1374-1380.	2.6	55
2	On computing ray—synthetic seismograms for anelastic media using complex rays. <i>Geophysics</i> , 1990, 55, 422-432.	2.6	45
3	Finite—difference modeling of SH—wave propagation in nonwelded contact media. <i>Geophysics</i> , 2002, 67, 1656-1663.	2.6	42
4	The Homogeneous Finite-Difference Formulation of the P-SV-Wave Equation of Motion. <i>Studia Geophysica Et Geodaetica</i> , 2002, 46, 731-751.	0.5	26
5	Complex rays applied to wave propagation in a viscoelastic medium. <i>Pure and Applied Geophysics</i> , 1990, 132, 401-415.	1.9	25
6	Applying finite element analysis to the memory variable formulation of wave propagation in anelastic media. <i>Geophysics</i> , 1999, 64, 300-307.	2.6	25
7	A standard finite—difference scheme for the time—domain computation of anelastic wavefields. <i>Geophysics</i> , 1994, 59, 290-296.	2.6	25
8	Synthetic seismograms for SH waves in anelastic transversely isotropic media. <i>Geophysical Journal International</i> , 1994, 116, 598-604.	2.4	21
9	Reflection and transmission of ultrasound from a planar interface. <i>Journal of Applied Physics</i> , 1987, 61, 888-894.	2.5	20
10	High-precision potential-field and gradient-component transformations and derivative computations using cubic B-splines. <i>Geophysics</i> , 2008, 73, 135-142.	2.6	15
11	Discrepancies in energy calculations for inhomogeneous waves. <i>Geophysical Journal International</i> , 1983, 75, 839-846.	2.4	14
12	SH Wave Propagation in Viscoelastic Media. <i>Studia Geophysica Et Geodaetica</i> , 2004, 48, 563-587.	0.5	11
13	Seismic modelling for geological fractures. <i>Geophysical Prospecting</i> , 2018, 66, 157-168.	1.9	10
14	Examination of the relative influence of current gathering on fixed loop and moving source electromagnetic surveys. <i>Geophysics</i> , 2001, 66, 1059-1066.	2.6	6
15	Three-dimensional to two-dimensional data conversion for electromagnetic wave propagation using an acoustic transfer function: application to cross-hole GPR data. <i>Geophysical Journal International</i> , 2014, 198, 474-483.	2.4	6
16	Seismic inversion for geologic fractures and fractured media. <i>Geophysics</i> , 2017, 82, C145-C161.	2.6	6
17	Optical surface modes of lattice vibrations. <i>Surface Science</i> , 1977, 64, 261-277.	1.9	4
18	A quickbasic program for the computation of the response of a thin tabular perfect conductor to a two coil horizontal coplanar electromagnetic prospecting system. <i>Computers and Geosciences</i> , 1995, 21, 333-343.	4.2	4

#	ARTICLE	IF	CITATIONS
19	Depth sounding by means of a coincident coil frequencyâ€¦domain electromagnetic system. Geophysics, 1997, 62, 49-55.	2.6	3
20	Numerical modeling fractures and fractal network featuresâ€œWormholes of CHOPS. , 2013, , .		3
21	A self-consistent model of a nonequilibrium discharge at atmospheric pressure. Journal Physics D: Applied Physics, 1977, 10, L227-L231.	2.8	2
22	Theoretical response of vertical coincident and horizontal coplanar coils when operated over steeply dipping conductors located below a conductive overburden. Geophysics, 1998, 63, 841-855.	2.6	2
23	Highâ€¦accuracy practical splineâ€¦based 3D and 2D integral transformations in potentialâ€¦field geophysics. Geophysical Prospecting, 2012, 60, 1001-1016.	1.9	1
24	Surface Waves, Head Waves, and Normal Modes. , 2019, , 152-186.		1
25	A hybrid method applied to a 2.5D scalar wave equation. Canadian Journal of Earth Sciences, 2008, 45, 1517-1525.	1.3	0
26	Conditions for the occurrence of unphysical negative values of the anelastic SH plane wave energy-based transmission coefficient. Studia Geophysica Et Geodaetica, 2012, 56, 323-347.	0.5	0
27	Vectors, Tensors, and Fourier Transforms. , 2019, , 1-50.		0
28	Stress, Strain, and Seismic Waves. , 2019, , 51-111.		0
29	Reflection and Transmission of Plane Waves. , 2019, , 112-151.		0
30	Waves in Heterogeneous Media. , 2019, , 187-229.		0
31	Data Transformations. , 2019, , 230-241.		0
32	Synthetic Seismograms. , 2019, , 242-269.		0
33	Seismic Migration. , 2019, , 270-293.		0
34	Plane Waves in Anisotropic Media. , 2019, , 294-311.		0
35	Plane Waves in Anelastic Media. , 2019, , 312-333.		0