Barak Sober

List of Publications by Year
in descending order

23 papers	239 citations	1163117 8 h-index	996975 15 g-index
24 all docs	24 docs citations	24 times ranked	139 citing authors

#	Article	IF	Citations
1	Algorithmic handwriting analysis of Judah's military correspondence sheds light on composition of biblical texts. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4664-4669.	7.1	56
2	Multispectral images of ostraca: acquisition and analysis. Journal of Archaeological Science, 2012, 39, 3581-3590.	2.4	26
3	Artificial intelligence for art investigation: Meeting the challenge of separating x-ray images of the <i>Ghent Altarpiece</i>. Science Advances, 2019, 5, eaaw7416.	10.3	24
4	MULTISPECTRAL IMAGING AS A TOOL FOR ENHANCING THE READING OF OSTRACA. Palestine Exploration Quarterly, 2014, 146, 185-197.	0.7	15
5	Manifold Approximation by Moving Least-Squares Projection (MMLS). Constructive Approximation, 2020, 52, 433-478.	3.0	12
6	Multispectral imaging reveals biblical-period inscription unnoticed for half a century. PLoS ONE, 2017, 12, e0178400.	2.5	11
7	Potential Contrast &#x2013; A New Image Quality Measure. IS&T International Symposium on Electronic Imaging, 2017, 29, 52-58.	0.4	11
8	Computer aided restoration of handwritten character strokes. CAD Computer Aided Design, 2017, 89, 12-24.	2.7	10
9	Forensic document examination and algorithmic handwriting analysis of Judahite biblical period inscriptions reveal significant literacy level. PLoS ONE, 2020, 15, e0237962.	2.5	10
10	A Brand New Old Inscription: Arad Ostracon 16 Rediscovered via Multispectral Imaging. Bulletin of the American Schools of Oriental Research, 2017, 378, 113-125.	0.2	7
11	A Connected Auto-Encoders Based Approach for Image Separation with Side Information: With Applications to Art Investigation. , 2020, , .		7
12	Approximation of functions over manifolds: A Moving Least-Squares approach. Journal of Computational and Applied Mathematics, 2021, 383, 113140.	2.0	7
13	Reconstructing Ancient Israel: Integrating Macro- and Micro-archaeology. Hebrew Bible and Ancient Israel, 2012, 1, 133.	0.1	6
14	Algorithmic handwriting analysis of the Samaria inscriptions illuminates bureaucratic apparatus in biblical Israel. PLoS ONE, 2020, 15, e0227452.	2.5	6
15	Evaluating glyph binarizations based on their properties. , 2013, , .		5
16	Expression of Fractals Through Neural Network Functions. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 57-66.	2.5	5
17	Beyond the Ground Truth: Alternative Quality Measures of Document Binarizations. , 2016, , .		4
18	A Renewed Reading of Hebrew Ostraca from Cave A-2 at Ramat Beit Shemesh (Nahİ£al Yarmut), Based on Multispectral Imaging. Vetus Testamentum, 2019, 69, 682-701.	0.1	4

#	Article	IF	Citations
19	Computerized Paleographic Investigation of Hebrew Iron Age Ostraca. Radiocarbon, 2015, 57, 317-325.	1.8	3
20	Raman Binary Mapping of Iron Age Ostracon in an Unknown Material Composition and High‐Fluorescence Setting—A Proof of Concept. Archaeometry, 2019, 61, 459-469.	1.3	3
21	A Learning Based Approach to Separate Mixed X-Ray Images Associated with Artwork with Concealed Designs. , 2021, , .		2
22	Mixed X-Ray Image Separation for Artworks With Concealed Designs. IEEE Transactions on Image Processing, 2022, 31, 4458-4473.	9.8	2
23	Literacy in Judah and Israel. Near Eastern Archaeology, 2021, 84, 148-158.	0.2	0