Yaron Paz

List of Publications by Year
in descending order

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64	2,664	279798	182427
papers	citations	23	51
		h-index	g-index

66	66	66	4296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid Organicâ€“Inorganic Perovskites (HOIPs): Opportunities and Challenges. Advanced Materials, 2015, 27, 5102-5112.	21.0	372
2	Application of TiO2 photocatalysis for air treatment: Patentsâ€™ overview. Applied Catalysis B: Environmental, 2010, 99, 448-460.	20.2	335
3	Using Dyes for Evaluating Photocatalytic Properties: A Critical Review. Molecules, 2015, 20, 88-110.	3.8	250
4	Composite Polymer Nanofibers with Carbon Nanotubes and Titanium Dioxide Particles. Langmuir, 2005, 21, 5600-5604.	3.5	197
5	Away from TiO2: A critical minireview on the developing of new photocatalysts for degradation of contaminants in water. Materials Science in Semiconductor Processing, 2016, 42, 72-80.	4.0	101
6	Remote Photocatalytic Activity as Probed by Measuring the Degradation of Self-Assembled Monolayers Anchored near Microdomains of Titanium Dioxide. Journal of Physical Chemistry B, 2001, 105, 3045-3051.	2.6	98
7	Preferential photodegradation of contaminants by molecular imprinting on titanium dioxide. Applied Catalysis B: Environmental, 2010, 95, 169-178.	20.2	93
8	Long-Range Effects of Noble Metals on the Photocatalytic Properties of Titanium Dioxide. Journal of Physical Chemistry B, 2003, 107, 2319-2326.	2.6	92
9	Selective Photocatalysis by Means of Molecular Recognition. Journal of the American Chemical Society, 2001, 123, 10776-10777.	13.7	83
10	Preferential photodegradation â€“ why and how?. Comptes Rendus Chimie, 2006, 9, 774-787.	0.5	78
11	Microcalorimetric Study of the Effects of a Chaotropic Salt, KSCN, on the Lower Critical Solution Temperature (LCST) of Aqueous Poly(N-isopropylacrylamide) (PNIPA) Solutions. Macromolecules, 2010, 43, 480-487.	4.8	72
12	On the Similarity and Dissimilarity between Photocatalytic Water Splitting and Photocatalytic Degradation of Pollutants. ChemPhysChem, 2013, 14, 2059-2070.	2.1	70
13	Self-assembled monolayers and titanium dioxide: From surface patterning to potential applications. Beilstein Journal of Nanotechnology, 2011, 2, 845-861.	2.8	65
14	Attenuated total reflectance/fourier transform infrared studies on the phase-separation process of aqueous solutions of poly(n-isopropylacrylamide). Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1665-1677.	2.1	55
15	Structural, photophysical and photocatalytic properties of new Bi2SbVO7 under visible light irradiation. Physical Chemistry Chemical Physics, 2009, 11, 6289.	2.8	55
16	Controlled mass transport as a means for obtaining selective photocatalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 160, 77-85.	3.9	51
17	â€œDarkâ€•Photocatalysis: The Degradation of Organic Molecules Anchored to Dark Microdomains of Titanium Dioxide. ChemPhysChem, 2003, 4, 617-620.	2.1	38
18	Synergistic photocatalytic effect in Fe,Nb-doped BiOCl. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 290, 11-21.	3.9	38

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19	Enhanced photodegradation of diisopropyl methyl phosphonate by the â€œAdsorb & Shuttleâ€•approach. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 174, 253-260.	3.9	31
20	Composite Titanium Dioxide Photocatalysts and the "Adsorb & Shuttle" Approach: A Review. Solid State Phenomena, 0, 162, 135-162.	0.3	31
21	Transient photoinduced phenomena in graphitic carbon nitride as measured at nanoseconds resolution by step-scan FTIR. Catalysis Today, 2020, 340, 97-105.	4.4	31
22	The interaction between poly(N-isopropylacrylamide) and salts in aqueous media: The ?salting-out? phenomenon as studied by attenuated total reflection/fourier transform infrared spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 33-46.	2.1	29
23	Beyond charge separation: The effect of coupling between titanium dioxide and CNTs on the adsorption and photocatalytic reduction of Cr(VI). Chemical Engineering Journal, 2013, 231, 49-58.	12.7	27
24	ATR-FTIR studies on the effect of strong salting-out salts on the phase separation scenario in aqueous solutions of poly(N-isopropylacrylamide) [PNIPA]. Polymers for Advanced Technologies, 2002, 13, 982-991.	3.2	26
25	The effect of Pt cocatalyst on the performance and transient IR spectrum of photocatalytic g-C3N4 nanospheres. Applied Surface Science, 2021, 542, 148432.	6.1	25
26	Ultra-thin SiO2 layers on TiO2: improved photocatalysis by enhancing products' desorption. Physical Chemistry Chemical Physics, 2012, 14, 3392.	2.8	23
27	Photocatalytic Treatment of Air. Advances in Chemical Engineering, 2009, 36, 289-336.	0.9	21
28	Highly efficient method for oxidation of dissolved hydrogen sulfide in water, utilizing a combination of UVC light and dissolved oxygen. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 372, 63-70.	3.9	20
29	Isomeric sugar effects on thermal phase transition of aqueous PNIPA solutions, probed by ATR-FTIR spectroscopy; insights to protein protection by sugars. Colloid and Polymer Science, 2011, 289, 281-290.	2.1	18
30	Recent Advancements in the Understanding of the Surface Chemistry in TiO2 Photocatalysis. Surfaces, 2020, 3, 72-92.	2.3	18
31	Enhancement of Photoinduced Visible Light Degradation of Salicylic Acid by Covalently Attached Synthetic Flavins on BiOCl Semiconductor Particle Surfaces. Journal of Physical Chemistry C, 2016, 120, 16069-16079.	3.1	16
32	Contact angle measurement on rough surfaces: the missing link. Surface Innovations, 2017, 5, 190-193.	2.3	16
33	BiYWO6: Novel synthetic routes and their effect on visible-light photocatalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 318, 14-24.	3.9	15
34	Transient IR spectroscopy as a tool for studying photocatalytic materials. Journal of Physics Condensed Matter, 2019, 31, 503004.	1.8	15
35	Photocatalysis by Composite Particles Containing Inert Domains. Israel Journal of Chemistry, 2006, 46, 33-43.	2.3	14
36	Flavin Derivatives with Tailored Redox Properties: Synthesis, Characterization, and Electrochemical Behavior. Chemistry - A European Journal, 2016, 22, 9209-9217.	3.3	14

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37	Coating and Passivation of InPâ€“InGaAs Devices by Organic Self-Assembled Monolayers. Journal of the Electrochemical Society, 2006, 153, G91.	2.9	10
38	Photopatternable self-assembled monolayers as micron scale templates for polymer based field effect transistors. Applied Physics Letters, 2009, 94, .	3.3	10
39	The Structural, Photocatalytic Property Characterization and Enhanced Photocatalytic Activities of Novel Photocatalysts Bi2GaSbO7 and Bi2InSbO7 during Visible Light Irradiation. Materials, 2016, 9, 801.	2.9	10
40	Photocatalytic N-doped TiO2 for self-cleaning of limestones. European Physical Journal Plus, 2019, 134, 1.	2.6	10
41	Transient FTIR Measurements at Nanoseconds Resolution: Correlating between Faceting and Photocatalytic Activity in BiOCl. Journal of the Electrochemical Society, 2019, 166, H3257-H3264.	2.9	9
42	Effect of Metallic Microdomains on the Chemisorption of Octadecyltrichlorosilane onto Titanium Dioxide. Langmuir, 2003, 19, 2540-2544.	3.5	8
43	Low-temperature direct bonding of silicon nitride to glass. RSC Advances, 2018, 8, 2161-2172.	3.6	8
44	Interdigitated Electrophotocatalytic Cell for Water Purification. International Journal of Photoenergy, 2011, 2011, 1-7.	2.5	7
45	Orthogonal fractal growth of CsI domains forming a ladder-like structure. Thin Solid Films, 2018, 661, 108-115.	1.8	7
46	Nanoseconds-resolved transient FTIR spectroscopy as a tool for studying the photocatalytic behavior of various types of bismuth vanadate. Applied Catalysis B: Environmental, 2020, 278, 119351.	20.2	7
47	Polyimide coating on non-planar microelectronic devices: characterization of vacuum drying effects by a new â€˜flipâ€“pasteâ€™ back-etching method. Surface and Coatings Technology, 1999, 122, 214-218.	4.8	6
48	Kinetic Resolution of Racemic Mixtures via Enantioselective Photocatalysis. ACS Applied Materials & Interfaces, 2021, 13, 39781-39790.	8.0	6
49	Heat-treated polyacrylonitrile nanofibers: A new material for efficient photo-assisted reduction of Cr(VI). Journal of Photochemistry and Photobiology A: Chemistry, 2013, 257, 26-33.	3.9	5
50	Enhanced photocatalytic activity of a self-stabilized synthetic flavin anchored on a TiO₂ surface. Physical Chemistry Chemical Physics, 2016, 18, 18575-18583.	2.8	5
51	Towards on-demand photocatalysis: Controlling the operation of a photocatalytic reactor based on real-time, automatic monitoring of toxicity towards the working bacteria of a proceeding bioreactor. Chemical Engineering Journal, 2022, 433, 133621.	12.7	5
52	A combined photocatalyticâ€biological wastewater treatment approach: a steadyâ€state model. Journal of Chemical Technology and Biotechnology, 2017, 92, 2606-2615.	3.2	3
53	Enhancement of carrier collection efficiency in photodiodes by introducing a salicided polysilicon contact. Journal of Applied Physics, 2015, 117, 234504.	2.5	2
54	Computational Models of (001) Faceted Anatase TiO 2 Nanoparticles. Journal of Chemical Technology and Biotechnology, 2020, 95, 2750.	3.2	2

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55	Post-Excitation Transient IR Phenomena in Î±-Fe₂O₃ Films. Journal of Physical Chemistry C, 2021, 125, 28013-28024.	3.1	2
56	Photocatalytic Degradation of Self-Assembled Monolayers Anchored at the Vicinity of Titanium Dioxide Domains. Journal of Advanced Oxidation Technologies, 2002, 5, .	0.5	1
57	Nanoscale structures in photocatalysis: Dense films, molecular imprinting and composites. , 2011, , .		1
58	FRET â€“ based technique for the characterization of contour lines. Dyes and Pigments, 2012, 95, 18-22.	3.7	1
59	Attenuated total reflectance/fourier transform infrared studies on the phaseâ€separation process of aqueous solutions of poly(nâ€isopropylacrylamide). Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1665-1677.	2.1	1
60	The Effect of Modifying TiO2 with Lanthanides on the Photocatalytic Degradation of Ciprofloxacin, a Hydrophobic Compound.. Journal of Photocatalysis, 2022, 03, .	0.4	1
61	Novel vertical silicon photodiodes based on salicided polysilicon trenched contacts. Journal of Applied Physics, 2015, 118, 214502.	2.5	0
62	On the Difference Between Air-cleaning and Self-cleaning. Journal of Advanced Oxidation Technologies, 2016, 19, .	0.5	0
63	Correction: Enhanced photocatalytic activity of a self-stabilized synthetic flavin anchored on a TiO2 surface. Physical Chemistry Chemical Physics, 2016, 18, 24134-24134.	2.8	0
64	The use of interface-sensitive test structure comprising of shallow trench isolation as a tool for analyzing the quality of Siâ€“SiO2 interfaces. Materials Science in Semiconductor Processing, 2016, 44, 64-70.	4.0	0