

# Vittorio Privitera

## List of Publications by Year in descending order

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27  
papers

1,579  
citations

304743

22  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2157  
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO for application in photocatalysis: From thin films to nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2017, 69, 44-51.	4.0	244
2	Ag/TiO <sub>2</sub> nanocomposite for visible light-driven photocatalysis. <i>Superlattices and Microstructures</i> , 2018, 123, 394-402.	3.1	122
3	Photocatalytic and antibacterial activity of TiO <sub>2</sub> nanoparticles obtained by laser ablation in water. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 487-494.	20.2	109
4	Low temperature atomic layer deposition of ZnO: Applications in photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 68-76.	20.2	98
5	Photocatalytic activity of CuO and Cu <sub>2</sub> O nanowires. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 89-93.	4.0	91
6	Graphene oxide and titania hybrid Nafion membranes for efficient removal of methyl orange dye from water. <i>Carbon</i> , 2015, 82, 489-499.	10.3	86
7	Selective photodegradation of paracetamol by molecularly imprinted ZnO nanonuts. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 509-517.	20.2	84
8	Trap-Limited Migration of Si Self-Interstitials at Room Temperature. <i>Physical Review Letters</i> , 1996, 76, 1493-1496.	7.8	79
9	Immobilization of nanomaterials in PMMA composites for photocatalytic removal of dyes, phenols and bacteria from water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 321, 1-11.	3.9	71
10	A phase-field approach to the simulation of the excimer laser annealing process in Si. <i>Journal of Applied Physics</i> , 2004, 95, 4806-4814.	2.5	69
11	Depth profiles of vacancy- and interstitial-type defects in MeV implanted Si. <i>Journal of Applied Physics</i> , 1997, 81, 1639-1644.	2.5	67
12	An enhanced photocatalytic response of nanometric TiO <sub>2</sub> wrapping of Au nanoparticles for eco-friendly water applications. <i>Nanoscale</i> , 2014, 6, 11189-11195.	5.6	58
13	N-type doping of Ge by As implantation and excimer laser annealing. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	57
14	Black TiO <sub>x</sub> photocatalyst obtained by laser irradiation in water. <i>Catalysis Communications</i> , 2016, 84, 11-15.	3.3	42
15	B-doping in Ge by excimer laser annealing. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	37
16	Photocatalytic and antibacterial properties of titanium dioxide flat film. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 32-35.	4.0	32
17	Enhancing carrier generation in TiO <sub>2</sub> by a synergistic effect between plasmon resonance in Ag nanoparticles and optical interference. <i>Nanoscale</i> , 2015, 7, 13468-13476.	5.6	31
18	Depth distribution of B implanted in Si after excimer laser irradiation. <i>Applied Physics Letters</i> , 2005, 86, 051909.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Low temperature deactivation of Ge heavily n-type doped by ion implantation and laser thermal annealing. Applied Physics Letters, 2017, 110, .	3.3	27
20	Laser annealing in Si and Ge: Anomalous physical aspects and modeling approaches. Materials Science in Semiconductor Processing, 2017, 62, 80-91.	4.0	25
21	A Spreading Resistanceâ€Based Technique for Twoâ€Dimensional Carrier Profiling. Journal of the Electrochemical Society, 1993, 140, 262-270.	2.9	22
22	Anomalous transport of Sb in laser irradiated Ge. Applied Physics Letters, 2012, 101, 172110.	3.3	22
23	Vacancy generation in liquid phase epitaxy of Si. Physical Review B, 2007, 75, .	3.2	20
24	Au thin films nano-structuration on polycrystalline anatase and rutile TiO2 substrates towards photocatalytic applications. Materials Science in Semiconductor Processing, 2016, 42, 40-44.	4.0	17
25	Impurity and defect interactions during laser thermal annealing in Ge. Journal of Applied Physics, 2016, 119, .	2.5	15
26	Role of oxygen on the electrical activation of B in Ge by excimer laser annealing. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 122-125.	1.8	13
27	Oxygen behavior in germanium during melting laser thermal annealing. Materials Science in Semiconductor Processing, 2016, 42, 196-199.	4.0	12