

# Claudio Badini

## List of Publications by Year in descending order

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39  
papers

1,104  
citations

331670

21  
h-index

395702

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

970  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical recycling of an end-of-life automotive composite component. Sustainable Materials and Technologies, 2020, 23, e00143.	3.3	32
2	Processing of hybrid laminates integrating ZrB <sub>2</sub> /SiC and SiC layers. AIMS Materials Science, 2020, 7, 552-564.	1.4	0
3	Laser printing of conductive tracks with extremely low electrical resistance on polymer-carbon nanotubes composite: An optimization study of laser setup parameters by design of experiment approach. Polymer Engineering and Science, 2018, 58, 1485-1493.	3.1	5
4	Thermogravimetric investigation on oxidation kinetics of complex Ti-Al alloys. Intermetallics, 2018, 93, 244-250.	3.9	27
5	Thermophysical and radiative properties of pressureless sintered SiC and ZrB <sub>2</sub> -SiC laminates. Ceramics International, 2018, 44, 15050-15057.	4.8	9
6	Effect of ZrB <sub>2</sub> addition on the oxidation behavior of Si-SiC-ZrB <sub>2</sub> composites exposed at 1500°C in air. Journal of Applied Biomaterials and Functional Materials, 2018, 16, 14-22.	1.6	0
7	Effect of recycling on polypropylene composites reinforced with glass fibres. Journal of Thermoplastic Composite Materials, 2017, 30, 707-723.	4.2	30
8	Thermal behavior of thermoplastic polymer nanocomposites containing graphene nanoplatelets. Journal of Applied Polymer Science, 2017, 134, .	2.6	18
9	Thermal Shock and Oxidation Behavior of HIPIMS TiAlN Coatings Grown on Ti-48Al-2Cr-2Nb Intermetallic Alloy. Materials, 2016, 9, 961.	2.9	11
10	Titanium aluminides for aerospace and automotive applications processed by Electron Beam Melting: Contribution of Politecnico di Torino. Metal Powder Report, 2016, 71, 193-199.	0.1	85
11	Electron Beam Melting of Ti-48Al-2Nb-0.7Cr-0.3Si: Feasibility investigation. Intermetallics, 2016, 73, 43-49.	3.9	96
12	Fabrication and characterization of laminated SiC composites reinforced with graphene nanoplatelets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 659, 158-164.	5.6	26
13	The effect of mechanical recycling on the microstructure and properties of PA66 composites reinforced with carbon fibers. Journal of Applied Polymer Science, 2015, 132, .	2.6	37
14	Thermophysical Properties of Short Carbon Fiber/SiC Multilayer Composites Prepared by Tape Casting and Pressureless Sintering. International Journal of Applied Ceramic Technology, 2015, 12, 510-521.	2.1	5
15	Oxidation Behavior at 1600°C of Si <sub>3</sub> N <sub>4</sub> -SiC-ZrB <sub>2</sub> Composites Produced by Si Reactive Infiltration. Advanced Engineering Materials, 2014, 16, 176-183.	3.5	6
16	Reactivity and Microstructure of Al <sub>2</sub> O <sub>3</sub> -Reinforced Magnesium-Matrix Composites. Advances in Materials Science and Engineering, 2014, 2014, 1-6.	1.8	25
17	Heteroporous heterogeneous ceramics for reusable thermal protection systems. Journal of Materials Research, 2013, 28, 2273-2280.	2.6	11
18	Electron Beam Melting of High Niobium Containing TiAl Alloy: Feasibility Investigation. Steel Research International, 2012, 83, 943-949.	1.8	36

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19	Self passivating behavior of multilayer SiC under simulated atmospheric re-entry conditions. Journal of the European Ceramic Society, 2012, 32, 4435-4445.	5.7	8
20	Corrosion Behavior of $\text{SiC}$ Laminate Under Decomposed Sulfuric Acid at $850^{\circ}\text{C}$ . Journal of the American Ceramic Society, 2012, 95, 2627-2634.	3.8	6
21	Preparation and prospective application of short carbon fiber/SiC multilayer composites by tape casting. World Journal of Engineering, 2011, 8, 331-334.	1.6	1
22	Oxidation Resistance of Multilayer SiC for Space Vehicle Thermal Protection Systems. Advanced Engineering Materials, 2010, 12, 617-622.	3.5	13
23	Microstructure and mechanical properties of co-continuous metal/ceramic composites obtained from Reactive Metal Penetration of commercial aluminium alloys into cordierite. Composites Part A: Applied Science and Manufacturing, 2010, 41, 639-645.	7.6	29
24	Preparation and properties of NiAl(Si)/Al <sub>2</sub> O <sub>3</sub> co-continuous composites obtained by reactive metal penetration. Composites Science and Technology, 2009, 69, 1777-1782.	7.8	12
25	Potential of SiC multilayer ceramics for high temperature applications in oxidising environment. Ceramics International, 2008, 34, 197-203.	4.8	34
26	NiAl(Si)/Al <sub>2</sub> O <sub>3</sub> co-continuous composites by double reactive metal penetration into silica preforms. Intermetallics, 2008, 16, 580-583.	3.9	10
27	Effect of porosity of cordierite preforms on microstructure and mechanical strength of co-continuous ceramic composites. Journal of the European Ceramic Society, 2007, 27, 131-141.	5.7	32
28	Preparation of C4 ceramic/metal composites by reactive metal penetration of commercial ceramics. Composites Science and Technology, 2006, 66, 350-356.	7.8	14
29	High catalytic activity of SCS-synthesized ceria towards diesel soot combustion. Applied Catalysis B: Environmental, 2006, 69, 85-92.	20.2	63
30	High cycle fatigue study of metal-ceramic co-continuous composites. Scripta Materialia, 2006, 55, 1135-1138.	5.2	26
31	Mobile and non-mobile catalysts for diesel-particulate combustion: A kinetic study. Korean Journal of Chemical Engineering, 2003, 20, 451-456.	2.7	4
32	Effect of active species mobility on soot-combustion over Cs-V catalysts. AIChE Journal, 2003, 49, 2173-2180.	3.6	59
33	Diesel particulate abatement via catalytic traps. Catalysis Today, 2000, 60, 33-41.	4.4	39
34	A screening study on the activation energy of vanadate-based catalysts for diesel soot combustion. Catalysis Letters, 2000, 69, 207-215.	2.6	36
35	Catalytic traps for diesel particulate control. Chemical Engineering Science, 1999, 54, 3035-3041.	3.8	32
36	Suitability of some promising soot combustion catalysts for application in diesel exhaust treatment. Applied Catalysis B: Environmental, 1998, 18, 137-150.	20.2	62

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37	Potential of Mixed Halides and Vanadates as Catalysts for Soot Combustion. Industrial & Engineering Chemistry Research, 1997, 36, 2051-2058.	3.7	28
38	Combustion of carbonaceous materials by CuKV based catalysts. Applied Catalysis B: Environmental, 1997, 11, 307-328.	20.2	48
39	Combustion of carbonaceous materials by CuKV based catalysts. Applied Catalysis B: Environmental, 1997, 11, 329-346.	20.2	89