

# Curriculum Vitae



## 1- Dati personali

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Nome	Domenica Scarano
Nazionalità	Italiana
Nata	31 Maggio 1956
Affiliazione	Dipartimento di Chimica Centro Interdipartimentale NIS Università degli Studi di Torino
Researcher Unique Identifiers	- ORCID: 0000-0002-3686-3436
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## 2- Carriera

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2001 **Professore di II fascia** presso l'Università degli Studi di Torino, Dipartimento di Chimica IFM  
(Settore Scientifico disciplinare: CHIM/02-Chimica Fisica)

1999-2001 **'Senior Researcher'** presso il Dipartimento di 'Chemical Physics, Fritz Haber Institut der Max Plank Gesellschaft' in Berlin nell'ambito del progetto di collaborazione internazionale DAAD-Vigoni

1990-1999 **Ricercatore a tempo indeterminato** presso l'Università degli Studi di Torino, Dipartimento di Chimica IFM  
(Settore Scientifico disciplinare: CHIM/02-Chimica Fisica)

1987-1990 **Ricercatore a tempo indeterminato** presso i Laboratori del Centro di Studi e Telecomunicazioni (CSELT) di Torino

1987 **Ricercatore a tempo indeterminato** presso ASL-TO

### 3- Incarichi accademici

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**Referente** del settore scientifico disciplinare CHIM/02 in Commissione Didattica di Dipartimento (dal 2021)

**Membro del CMR** del corso di Laurea in Scienza dei Materiali

**Responsabile** per l'unità di Torino del *Progetto Nazionale 'Lauree Scientifiche'* in Scienza dei Materiali, in accordo al contributo fornito all'avviamento del corso di Laurea in Scienza dei Materiali. (2005-2018)

**Referente** nell'ambito del programma Socrates (Higher Education: Erasmus) dell'accordo bilaterale fra l'Università di Torino e l'Università di Lisbona (dal 2004)

### 4- Istruzione e Formazione

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- 1986      **Stage**  
Svolto presso "Anorg. Chem. Institut", Univ. Irchel in Zurich per effettuare misure di microscopia elettronica in alta risoluzione (HRTEM)
- 1986      **Dottorato in Chimica**  
Conseguito presso l'Università degli Studi di Torino  
Supervisore: Prof. Adriano Zecchina  
Titolo: Studio spettroscopico a T ambiente e a bassa temperatura di specie adsorbite e difetti in solidi cristallini
- 1982-1983      **Borsa di Ricerca** presso il Dipartimento di Fisica dell'Università degli Studi di Torino  
Responsabile scientifico: Prof. Claudio Manfredotti
- 1981      **Laurea in Chimica Pura**  
Conseguita presso l'Università degli Studi di Torino  
Supervisore: Prof. Livio Battezzati  
Titolo: Studio della cristallizzazione di leghe metalliche amorfe con tecnica di microscopia elettronica e di orientazioni preferenziali.

### 5- Attività Didattica

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**Elettrochimica applicata** (Corso di Laurea in Chimica triennale)

**Interazioni e Riconoscimento Molecolare** (Corso di Laurea in Chimica Magistrale)

**Strutturistica Chimica** (Corso di Laurea in Chimica Magistrale).

**Complementi di Chimica-Fisica per Biologi** (Scuola di Specializzazione in Applicazioni Biotecnologiche)

**Advanced techniques in Microscopy for analysis of materials** (Scuola di Dottorato in Scienze chimiche e dei Materiali)

**Chimica Fisica I** (Corso di Laurea in Chimica triennale)

**Metodi Spettroscopici e Microscopie** (Corso di Laurea in Scienza e Tecnologia dei Materiali triennale)

**Chimica Fisica dei Materiali con Laboratorio** (Corso di Laurea in Scienza e Tecnologia dei Materiali triennale)

**Materials Today** (Corso di Laurea in Scienza e Tecnologia dei Materiali triennale)

## 6- Coordinamento e Partecipazione a Progetti di Ricerca

**Coordinatrice** di gruppo di ricerca nel progetto regionale *Green Factory for Composites (GreenFactory4Compo)* -Accordo di programma MIUR – REGIONE PIEMONTE Azione 3 “Fabbrica Intelligente” (novembre 2016-maggio 2019)

**Coordinatrice** di gruppo di ricerca nel progetto DRAPO' - Systems and components for energy recycling and motor vehicle efficiency 2013-2015, European Regional Development Fund (ERDF) POR - FESR 07-13 - Asse I - attività I.1.1. “Piattaforme innovative, Automotive”.

**Partner coinvolta** nel Progetto STEPS 2 - *Systems and Technologies for Space Exploration* 2013-2015, European Regional Development Fund (ERDF) POR - FESR 07-13 (Fondo Europeo di Sviluppo Regionale) 2007/2013 Asse I - Attività I.1.1 "PIANO PER LA COMPETITIVITA

**Responsabile** del *Progetto Regionale PHOTOTIO<sub>2</sub>* - Progetto POR-FESR 2007-2013 Asse Innovazione e transizione produttiva I.1.3 Poli d’Innovazione III Programma Annuale (2012-2013).

**Supporto scientifico** alla costituzione dello *Spin-off universitario-TitaC srl* (2010-2013), ora azienda autonoma di sviluppo e produzione di vernici autopulenti e antibatteriche.

**Responsabile** del *Progetto Regionale “Carbon Nanotubes based Conductive Composites Laser Activated for Integrated Sensors, Switches and Wirings”* –NANOCONTACT CIPE 2007 (European Regional Development Fund (ERDF) (2007-2013).

**Partner coinvolta** nel Progetto NANOSAFE - *Nanoparticles: from their impact on the environment and human health to safer production and usage-* CIPE 2006.

**Partner coinvolta** Progetto di Ricerca Nazionale cofinanziato COFIN 2005 per l’unità di Torino

**Co-Responsabile** di contratto di ricerca INSTM (UdR Torino)/EniTecnologie S.p.A. – ID/DB 418

**Partner coinvolta** nel Progetto *Nanostructured carbon-based materials for industrial applications* (code: D37, CIPE 2004)

**Partner coinvolta** in *Progetto di Ricerca Nazionale cofinanziato COFIN 2003* per l’unità di Torino

**Responsabile** del *Progetto di Ricerca Nazionale cofinanziato: Caratterizzazione spettroscopica (FTIR, UV-vis e EPR) delle proprietà superficiali di ossidi e solfuri policristallini a difettività controllata* per l’unità di Torino (2000).

## 7- Brevetti

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L. Mezzo, A. Gaio, F. Cesano, **D. Scarano** and A. Zecchina, "Synthesis of carbon nanotubes and/or nanofibres on a polymer substrate", PCT Int. Appl. : WO2006IB53712 20061010. (01/06/2003)

Luca Mezzo, Andrea Gaio, Federico Cesano, **Domenica Scarano** and Adriano Zecchina, "Synthesis of carbon nanotubes and/or nanofibres on a polymer substrate" Brevetto Europeo EP20050425714 20051011. (01/06/2004)

A. Zecchina, F. Bardelli, S. Bertarione, P. Castelli, G. Caputo, F. Cesano, P. Civera, D. Demarchi, R. Galli, G. Innocenti, **D. Scarano**, A. Veca, M. Zanetti, (inventors); Università degli Studi di Torino, RTM S.p.A., C.R.F. S.C.P.A, Politecnico di Torino (assignee). Process for producing conductive and/or piezoresistive tracks on a polymeric substrate. Brevetto Internazionale PCT 26/10/2011. WO2011EP68798 20111026 (01/01/2008)

A. Zecchina, F. Bardelli, S. Bertarione, P. Castelli, G. Caputo, F. Cesano, P. Civera, D. Demarchi, R. Galli, G. Innocenti, **D. Scarano**, A. Veca, M. Zanetti, (inventors); Università degli Studi di Torino, RTM S.p.A., C.R.F. S.C.P.A, Politecnico di Torino (assignee). Process for producing conductive and/or piezoresistive traces on a polymeric substrate. Brevetto Europeo 26/10/2010. EP20100425349 20101111 (01/01/2008)

## 8- Partecipazione a Convegni

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D. Scarano- Carbon based and graphene analogues hybrid nanocomposites-Secondo Giornate Italo-Francesi di Nanoscienze - 2èmes Journées Italo-Francaises de Nanosciences 31.01-2.02 2018 Bardonecchia - Villaggio Olimpico Italia-Italie dal 31-01-2018 al 02-02-2018

D.Scarano - Presentazione progetti PLS STM dal 2004 al 2016 – Centro Congressi Unione Industriale 8 marzo 2016 (RIPETIZIONE DI ANALOGA INIZIATIVA EFFETTUATA IL 1 MARZO ) dal 08-03-2016 al 08-03-2016

D.Scarano Graphene-like materials based nanocomposites for optical and electrical applications - Chemistry for Innovative Materials Chemistry DAYS 2014 dal 27-05-2014 al 27-05-2014

Convegno scientifico sul PLS : Conoscere e giocare con i materiali per la produzione di energia..... - Napoli Citta della Scienza 2013 dal 12-12-2013 al 13-12-2013

D. Scarano- Nanocontact: obiettivi e finalità del progetto - Carbon Nanotubes based Conductive Composites Laser Activated for Integrated Sensors, Switches and Wirings Centro Congressi Unione Industriale di Torino, Sala Piemonte - Torino 5 dicembre 2012. dal 05-12-2012 al 05-12-2012

D. Scarano- Radially organized pillars in TiO<sub>2</sub> and in TiO<sub>2</sub>/C microspheres, V Workshop on Oxide based materials 2012, Torino dal 23-09-2012 al 27-09-2012

D.Scarano- Carbon-based composites by embedding C-sp<sup>2</sup> structures into polymers Carbon 2011 Conference, July 24-29, 2011, Shanghai (China) dal 24-07-2011 al 29-07-2011

D. Scarano-Tailoring the porosity of high surface area carbons by playing with the concentration of the Lewis acid precursor. NanoteC10; 1-4 September 2010; Oxford (UK); 2010 dal 01-09-2010 al 04-09-2010

*Seminario congiunto Progetto Lauree Scientifiche – Piano ISS “Insegnare Scienze Sperimentali: incontro Scuola – Università”  
Torino, 5 Novembre 2009  
dal 05-11-2009 al 05-11-2009*

*D.Scarano- Designing TiO<sub>2</sub>-based nanotubes by playing with surface morphology and silver doping. 6th International Workshop on Oxide Surfaces (IWOX-VI); 2009 January 18 - 23, 2009; Schladming (Austria); 2009  
dal 18-01-2009 al 23-01-2009*

*D.Scarano- Tailoring the photoactivity of TiO<sub>2</sub> based materials by playing with morphology and electronic structure 4th-  
Workshop on OXIDE BASED MATERIALS Gravedona, Lake of Como, July 6-11 2008  
dal 06-07-2008 al 11-07-2008*

*Domenica Scarano – Variability in Composition, Structure and Size of Carbon Nanotubes Health effects of Nanoparticles Specific Toxicity of some Nanoparticles and Physico-Chemical Basis for Testing strategies -A joint Colloquium NIS – Centro “G. Scansetti” Torino, september 19th, 2006 Dipartimento di Chimica IFM, Torino  
dal 19-09-2006 al 19-09-2006*

*D. Scarano, ZnO microcrystals implanted on porous carbons: synthesis and characterization of carbon/ZnO composites.  
- International Symposium on Molecular Photonics; June 28-July 2, 2006; St. Petersburg (Russia) dal 28-06-2006 al 02-07-2006*

*D. Scarano- Connecting carbon fibres by means of catalytically grown nanofilaments: formation of carbon-carbon composites. Tessile e salute, 6th Health and Textile International Meeting; 2006 4 - 5 May 2006; Biella (Italy)  
dal 04-05-2006 al 05-05-2006*

*D.Scarano- “Synthesis and surface characterization of ZnO-based materials: from single crystals to microporous nanostructures.” NIS COLLOQUIA 17-18 febbraio 2005 Dipartimento di Chimica IFM e NIS, Università di Torino  
dal 17-02-2005 al 18-02-2005*

*D. Scarano - ZnO based nanomaterials for H<sub>2</sub> storage. EHEC2005 - 2nd European Hydrogen Energy Conference; 22-25 November, 2005; Saragoza (Spain)  
dal 22-11-2005 al 25-11-2005*

*E-MRS Spring meeting 2001-Symposium N- Ultrathin Epitaxial Oxides-  
D.Scarano - FTIR SPECTROSCOPY OF H<sub>2</sub>, CO/H<sub>2</sub>, C<sub>2</sub>H<sub>4</sub>/H<sub>2</sub> AND CH<sub>4</sub>, CO/CH<sub>4</sub>, CH<sub>4</sub>/H<sub>2</sub> MIXTURES ADSORBED ON ZnO  
dal 05-06-2001 al 08-06-2001*

*D.Scarano- Surface characterization and reactivity of Cr-based oxidic systems, EEP Symposium in honour of Estrella Escalona Platero IFM Chemistry Dept. Torino  
dal 03-09-1999 al 03-09-1999*

*D.Scarano- Surface characterization and reactivity of Chromium-based oxidic systems, Lecture at Richard Willstaetter Haus FHI Berlin October 1998  
dal 23-10-1998 al 23-10-1998*

*D.Scarano- Adsorbimento di CO alla superficie di microcristalli di CuCl di morfologia ben definita- XXVI Congresso Nazionale della Associazione di Cristallografia – Alessandria 1996  
dal 01-09-1996 al 04-09-1996*

*D.Scarano Copper based catalysts:structure and reactivity- Lezione alla 7a Scuola Europea Erasmus di Scienza dei Materiali Dipartimento Chimica Fisica ed Elettrochimica Milano 16-27 settembre 1996  
dal 16-09-1996 al 17-09-1996*

*D.Scarano - Materiali microporosi –1° Incontro Materiali e Misure Istituto Metrologico Colonnetti 1996  
dal 09-12-1996 al 10-12-1996*

## **9- Organizzazione di Convegni, Conferenze e Scuole**

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*Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Le molecole della vita catturate a livello atomico attraverso la crio-microscopia elettronica ( Martino  
Bolognesi Università Statale di Milano)  
dal 01-03-2018 al 01-03-2018*

*1° Convegno Nazionale Scienza dei Materiali- Recco 2018  
dal 23-02-2018 al 23-02-2018*

*International Winter School: Molecules at surfaces (BARDONECCHIA Italy)  
dal 31-01-2016 al 05-02-2016*

*Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Materiali per l'arte, l'arte dei nuovi materiali: dalle nanoscienze alle arti visuali (Adriano Zecchina, Università  
di Torino)  
Questa conferenza è stata ripetuta il giorno 8 marzo 2016 per soddisfare l'elevato numero di studenti iscritti  
all'evento.  
dal 01-03-2016 al 01-03-2016*

*Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Materiali in concerto (Marcello Baricco, Università di Torino)  
dal 17-03-2015 al 17-03-2015*

*Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Materiali funzionali per affrontare (e risolvere?) problemi di energia e salute (Maurizio Prato Università  
Trieste)  
dal 23-01-2014 al 23-01-2014*

*Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Dall'invenzione della carta all'iPhone - Sorprese e speranze dalle nanotecnologie (Gianfranco Pacchioni  
Università Milano Bicocca)  
dal 28-02-2012 al 28-02-2012*

*Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Conoscere e giocare con i materiali per la produzione di energia: sole + vino/mirtilli + TiO<sub>2</sub>... il fotovoltaico  
diventa simpatico? (Pierluigi Quagliotto Università di Torino)  
dal 01-03-2012 al 01-03-2012*

*Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Contaminant retention by clays and the confinement of nuclear waste (Argille per la "cattura" di sostanze  
inquinanti e confinamento di scorie nucleari) Laurent Charlet Università di Grenoble  
dal 22-11-2010 al 07-03-2011*

*Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Ruolo dei materiali e della chimica nella pittura occidentale (Adriano Zecchina Università di Torino - in*

sostituzione del previsto C.Otero Arean)  
dal 16-11-2009 al 26-02-2010

Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
le nanotecnologie applicate ai processi catalitici industriali (Giuseppe Bellussi, Gabriele Centi, Federico  
Carminati, Mario Bertero, P.Pollesel)  
dal 28-10-2008 al 14-01-2009

NIS COLLOQUIUM Carbon nanotubes and carbon hybrid /composites - Dept. of IFM Chemistry, via P.Giuria  
7 TORINO  
dal 29-01-2007 al 29-01-2007

Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
la scienza e le scommesse del futuro (David King, Giuseppe Zerbi, Vincenzo Balzani )  
dal 27-09-2005 al 31-05-2006

IV International Workshop on Oxide Surfaces (IWOX-4) Torino-Aussois  
dal 04-01-2005 al 08-01-2005

Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Le nanoscienze e le loro scoperte (Sir Harold W. Kroto - Dante Gatteschi ) dal 09-03-2004 al 09-03-2004

Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
La sfida dell'energia (Dante Casati, Louis Schlapbach) 2003  
dal 30-05-2003 al 30-05-2003

Conferenze e incontri scientifici - Progetto Lauree Scientifiche presso la sede dell'Unione Industriale di Torino:  
Scienza dei Materiali - una frontiera per lo sviluppo (Robert W. Cahn J. Georg Bednorz, Enrico Predazzi)  
dal 30-05-2002 al 30-05-2002

Scuola:

"ADVANCED SCHOOL ON NANOSTRUCTURED INTERFACES at the University of Torino (ISASUT) on  
highlights of Materials Science.

La scuola è stata dedicata a studenti di PhD sul tema delle "Nanostructured Interfaces" con lezioni fornite da  
esperti internazionali. E stato dedicato un tempo agli studenti Ph.D al fine di presentare i propri risultati di tesi.  
dal 01-09-2002 al 03-09-2002

## 10- Pubblicazioni Scientifiche

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### 10.1- Articoli

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Negro, P., Cesano, F., Casassa, S., Scarano, D.  
Combined DFT-D3 Computational and Experimental Studies on g-C<sub>3</sub>N<sub>4</sub>: New Insight into Structure, Optical,  
and Vibrational Properties (2023) *Materials*, 16, art. no. 3644  
<https://www.mdpi.com/2287872>

Santalucia, R., Negro, P., Vacca, T., Pellegrino, F., Damin, A., Cesano, F., Scarano, D.  
In Situ Assembly of Well-Defined MoS<sub>2</sub> Slabs on Shape-Tailored Anatase TiO<sub>2</sub> Nanostructures:  
Heterojunctions Role in Phenol Photodegradation (2022) *Catalysts*, 12 (11), art. no. 1414, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147119210&doi=10.3390%2fcatal12111414&partnerID=40&md5=bfc00c9b3591cdc739eb70f71e5ebc11>

Santalucia, R., Pazzi, M., Bonino, F., Signorile, M., Scarano, D., Ugliengo, P., Spoto, G., Mino, L.  
*From gaseous HCN to nucleobases at the cosmic silicate dust surface: an experimental insight into the onset of prebiotic chemistry in space*

(2022) *Physical Chemistry Chemical Physics*, 24 (12), pp. 7224-7230. Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126951252&doi=10.1039%2fd1cp05407d&partnerID=40&md5=a9032232cfa535708e263af332e33b8d>

Santalucia, R., Vacca, T., Cesano, F., Martra, G., Pellegrino, F., Scarano, D.  
*Few-layered MoS<sub>2</sub> nanoparticles covering anatase TiO<sub>2</sub> nanosheets: Comparison between ex situ and in situ synthesis approaches*

(2021) *Applied Sciences (Switzerland)*, 11 (1), art. no. 143, pp. 1-17. Cited 6 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098705068&doi=10.3390%2fapp11010143&partnerID=40&md5=16f886dcf09230afbcef57ed000b02b1>

Cesano, F., Uddin, M.J., Damin, A., Scarano, D.  
*Multifunctional conductive paths obtained by laser processing of non-conductive carbon nanotube/polypropylene composites*

(2021) *Nanomaterials*, 11 (3), art. no. 604, pp. 1-16. Cited 11 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101706942&doi=10.3390%2fnano11030604&partnerID=40&md5=3f65818b49749f0d427a080584b3eb94>

Scarano, D., Cesano, F.  
*Graphene and other 2d layered nanomaterials and hybrid structures: Synthesis, properties and applications*

(2021) *Materials*, 14 (23), art. no. 7108, . Cited 1 time.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120058823&doi=10.3390%2fma14237108&partnerID=40&md5=9a4f789cc89f1a82af42715b3ccddc0a>

Brunella, V., Rossatto, B.G., Scarano, D., Cesano, F.  
*Thermal, morphological, electrical properties and touch-sensor application of conductive carbon black-filled polyamide composites*

(2021) *Nanomaterials*, 11 (11), art. no. 3103, . Cited 3 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119079302&doi=10.3390%2fnano11113103&partnerID=40&md5=a16cd99c598d00cc5e77b1ead0943dde>

Brunella, V., Rossatto, B.G., Mastropasqua, C., Cesano, F., Scarano, D.  
*Thermal/electrical properties and texture of carbon black pc polymer composites near the electrical percolation threshold*

(2021) *Journal of Composites Science*, 5 (8), art. no. 212, . Cited 7 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112846345&doi=10.3390%2fjcs5080212&partnerID=40&md5=1c35a2b377fb79ed0897765147f709fb>

Cesano, F., Uddin, M.J., Lozano, K., Zanetti, M., Scarano, D.  
*All-Carbon Conductors for Electronic and Electrical Wiring Applications*

(2020) *Frontiers in Materials*, 7, art. no. 219, . Cited 23 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091038347&doi=10.3389%2ffmats.2020.00219&partnerID=40&md5=e4f885385ad2ebd5cb242843b20eb144>

Zaccone, M., Armentano, I., Cesano, F., Scarano, D., Frache, A., Torre, L., Monti, M.  
*Effect of injection molding conditions on crystalline structure and electrical resistivity of PP/MWCNT nanocomposites*

(2020) *Polymers*, 12 (8), art. no. 1685, . Cited 11 times.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089532099&doi=10.3390%2fPOLYM12081685&partnerID=40&md5=593b7c639e07f09f2054de7429563256>



Uddin, M.J., Cesano, F., Chowdhury, A.R., Trad, T., Cravanzola, S., Martra, G., Mino, L., Zecchina, A., Scarano, D.  
*Surface Structure and Phase Composition of TiO<sub>2</sub> P25 Particles After Thermal Treatments and HF Etching* (2020) *Frontiers in Materials*, 7, art. no. 192, . Cited 24 times.  
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088452957&doi=10.3389%2ffmats.2020.00192&partnerID=40&md5=133d3b2fcd5f85e0d00e3ee863e134e1>

Mino, L., Cesano, F., Scarano, D., Spoto, G., Martra, G.  
*Molecules and heterostructures at TiO<sub>2</sub> surface: the cases of H<sub>2</sub>O, CO<sub>2</sub>, and organic and inorganic sensitizers* (2019) *Research on Chemical Intermediates*, 45 (12), pp. 5801-5829. Cited 11 times.  
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074561448&doi=10.1007%2fs11164-019-04003-y&partnerID=40&md5=ed8e2ce8c0b61414b776f9ff14a75087>

Cesano, F., Cravanzola, S., Brunella, V., Scarano, D.  
*Porous carbon spheres from poly(4-ethylstyrene-co-divinylbenzene): role of ZnCl<sub>2</sub> and KOH agents in affecting porosity, surface area and mechanical properties* (2019) *Microporous and Mesoporous Materials*, 288, art. no. 109605, . Cited 20 times.  
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069638731&doi=10.1016%2fj.micromeso.2019.109605&partnerID=40&md5=82a4b34dab43b34e6890a72efc966d61>

Cesano, F., Cravanzola, S., Brunella, V., Damin, A., Scarano, D.  
*From polymer to magnetic porous carbon spheres: Combined microscopy, spectroscopy, and porosity studies* (2019) *Frontiers in Materials*, 6, art. no. 84, . Cited 8 times.  
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067398930&doi=10.3389%2ffmats.2019.00084&partnerID=40&md5=e565d9a83416fbbd71d59261e67c325a>

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