

Short CV

Name	Arvanitidis Ioannis
Position	Professor, Physics Department, Aristotle University of Thessaloniki <u>Subject: Optics, optical properties of solids and spectroscopy</u> Director of the <i>Optics and Spectroscopy Laboratory</i> , Physics Department, AUTH Erasmus+ coordinator (Internship, International, Mundus), EPICUR
Studies	1993 B.Sc., Physics Department, AUTH 1998 M.Sc. in <i>Physics of Materials</i> , Physics Department, AUTH 2001 Ph.D., Physics Department, AUTH
Scientific Experience	1997-1998 Postgraduate researcher, Quantum Optics Laboratory, Ecole Polytechnique (Paris, France) 2001-2003 Postdoctoral researcher, University of Sussex (Brighton, UK) 2003-2008 Postdoctoral researcher, Physics Division, School of Technology, AUTH (Thessaloniki, Greece) 2004, 2017, 2018 Visit. Assoc. Prof., IMR/AIMR, Tohoku University (Sendai, Japan) 2004-2005 Scientific Associate, Department of Applied Sciences, Technological Educational Institute of West Macedonia (Kozani, Greece) 2004-2008 Laboratory Associate, Dept. Applied Sciences, ATEITH (Sindos, Greece) 2008-2012 Assistant Professor, Department of Applied Sciences, ATEITH 2012-2017 Assistant Professor, Physics Department, AUTH 2017-2021 Associate Professor, Physics Department, AUTH 2020, 2022 Visiting Professor, Osaka Metropolitan University (OMU, Osaka, Japan) 2021-today Professor, Physics Department, AUTH
Scientific Overview	130 publications in refereed scientific journals 20 publications in books and conference proceedings 64 publications in the proceedings of Local Conferences >1700 citations, <i>h-index</i> : 22 Referee in 42 international scientific journals Guest Editor in a special issue of High Pressure Research (2013) 206 presentations in international and local conferences (4 invited) 14 invited seminars 22 participations in research projects (8 as the scientist in charge) Supervisor in 6 PhD theses, 15 MSc theses and 16 BSc theses Co-author of 6 text books in Physics
Six most important publications	<ol style="list-style-type: none"> 1. <i>Temperature-induced valence transition and associated lattice collapse in samarium fulleride</i>, <u>J. Arvanitidis</u>, K. Papagelis, S. Margadonna et al., Nature (London) 425, 599 (2003). Citations: 138 2. <i>Pressure screening in the interior of primary shells in double-wall carbon nanotubes</i>, <u>J. Arvanitidis</u>, D. Christofilos, K. Papagelis et al., Physical Review B 71, 125404 (2005). Citations: 66 3. <i>Thermal conductivity enhancement in aqueous suspensions of carbon multi-walled and double-walled nanotubes in the presence of two different dispersants</i>, M. J. Assael, I. Metaxa, <u>J. Arvanitidis</u> et al., Int. J. Thermophysics 26, 647 (2005). Citations: 267 4. <i>Raman spectroscopy of graphene at high pressure: substrate and pressure transmitting media effects</i>, K. Filintoglou, N. Papadopoulos, <u>J. Arvanitidis</u> et al., Physical Review B 88, 045418 (2013). Citations: 49 5. <i>Raman study of the temperature-induced decomposition of the fullerene dimers C₁₂₀</i>, K. P. Meletov, <u>J. Arvanitidis</u>, D. Christofilos et al., Chemical Physics Letters 654, 81 (2016). Citations: 13 6. <i>Pressure-induced valence transition in the mixed-valence (Sm_{1/3}Ca_{2/3})_{2.75}C₆₀ fulleride</i>, N. Yoshikane, ..., <u>J. Arvanitidis</u>, and K. Prassides, Mater. Chem. Frontiers 4, 3521 (2020). Citations: 4