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| curriculum vitae  11 | **DSC_0024.JPGJanuary 2019** |

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| Personal information |

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| Title, Name, Surname |  | **Dr George VEKINIS** |
| Telephones |  | **+30 210 6503322 (w), +30 693 710 6543 (mobile)** |
| Fax |  | **+30 210 6503377** |
| E-mail |  | **g.vekinis@inn.demokritos.gr** |
| Gender |  | **Male** |
| Nationality |  | **Hellenic** |

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| EXPERTISE and EXPERIENCE  Work experience  Current activities: |  | RESEARCH: High temperature materials, Energy Efficiency Technologies, Clean-Coal Technologies, Advanced Functional Ceramics, Composites, New Industrial Manufacturing Processes, Catalysts, Environmental Remediation, Nanotechnologies, Nanomaterials, Energy sustainability systems, Polymer-ceramic composites, Combustion Synthesis, Spacecraft protection (TPS) and propulsion Technologies  CONSULTING: Innovation Management, Innovation Policy, Technology Transfer, Technology Auditing, RTD Project/programme evaluation, Technology Exploitation Strategy, Business Planning, Impact Assessment, Clustering and Networking optimisation, Energy Sustainability policy, IP Protection, Project Impact Assessment, Project Management, Start-up Management, Policies for Sustainable Innovativeness, Project Technical Advisor for EC projects  LECTURING:   * Physics Department, Aristotelian. Univ. Of Thessaloniki, Greece: “Advanced Ceramics and Composites”, MSc post-graduate course on “Materials Science and Technology” * Department of Production and Management, Technical Univ. Crete, “Inventions and IP” and “Legal Issues is TT”, MSc post-graduate courses on Innovation Management   MENTORING: researchers and start-ups on innovation management, technology transfer, entrepreneurship, best practices, marketing, etc  MANUFACTURING: Industrial Microwave processing facilities for ceramics and minerals (spin-off company)  BOOKS: “Technology Transfer in Practice: from Invention to Innovation. a step-by-step guide for Researchers and Inventors”, 2014, PressTime/G.Vekinis publishing  - “The Researcher Entrepreneur: best practices for successful technological entrepreneurship”, (April 2016), ATCS publishing  - “Physics in the Kitchen”, in preparation, 2020 |
| - Research Director and Group Leader, Institute of Nanoscience and Nanotechnology, NCSR “Demokritos”, Greece  - Head of Education Office, NCSR “Demokritos”, Greece  - President of the Researchers’ Association of NCSR “Demokritos”  - Consultant to the EC and other institutions in Innovation Management and Technology Transfer  - Private mentoring researchers and start-up companies on entrepreneurship and best practices  - President of “AIT SA” SME , spin-off of NCSR Demokritos, Greece  - Part time lecturer at Univ. of Thessaloniki and Polytechnic Univ. of Crete, Greece  - Immediate ex-President of the Hellenic Society for Science and Technology of Condensed Matter (HSSTCM) |

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| **•** Dates (from – to) |  | **1990 - present** |
| **•** Name and address of employer |  | **Institute of Nanoscience and Nanotechnology, NCSR “Demokritos”, Athens, GREECE** |
| **•** Type of business or sector |  | **Public Research Centre** |
| **•** Occupation or position held |  | Group Leader and Director of Research in Advanced Ceramics and Composites |
| **•** Main activities and responsibilities |  | Head of “Advanced Ceramics and Composites” Group and Laboratory. Research on: advanced thermomechanical protection systems for spacecraft, advanced Space Technologies, Advanced Ceramics and Composites (SiCf/SiC, Al2O3/Cu-Ni), nanocomposites for advanced thermomechanical applications in space and energy, Microwave processing of ceramics and other materials, SiCf/SiC materials for Fusion Reactor, micromechanics of fracture, failure micro-mechanisms, toughening mechanisms, controlled combustion synthesis (SHS), heterogeneous catalysts, environmental protection and remediation, advanced computing, nanostructured materials, microelectronic materials, artificial intelligence, simulation IT, etc.  Site: Web.ims.demokritos.gr/Advanced-Ceramics  Recent and current major RD projects:  1) “HybridTPS”: thermal protective system for Space probes and spacecraft, contract of the European Space Agency/ ESTEC to Demokritos, 2007-2009  2) “RASTAS SPEAR”, FP7/Space, development of technologies for high speed earth-re-entry, coordinator: EADS/ASTRIUM (Fr), 2010 – 2013  3) “PULCHER”, FP7/Space, Development of a new spacecraft engine, coordinator: ALTA (It), 2012-2015  4) “HYDRA”, FP7/Space, Development of new spacecraft TPS, coordinator TECNALIA (Es), 2012-2015  5) “ELMHTEK”, Nanocoatings on copper by plasma spraying, 2013  6) “ReWiG”, European Space Agency project for the development of a new TPS recession Sensor, 2014-2015  7) “IRENA”, “International Re-Entry demoNstrator Action”, EC/H2020 Coordination and Support Action between US, EU and Japan, 2015-2016  8) “ReGS”, European Space Agency project for the feasibility study of the TPS recession Sensor, 2016-2017  9) “TerraNeo”, industrial project for the development of new polymer-ceramic composites, 2016-2018 |

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| **•** Dates (from – to) |  | **1999 - present** |
| **•** Name and address of employer |  | **Advisory Service** |
| **•** Type of business or sector |  | Entrepreneurship support, mentoring |
| **•** Occupation or position held |  | **Mentoring, seminars and entrepreneurial support** |
| **•** Main activities and responsibilities |  | Mentoring of researchers and start-ups on innovation management, technology transfer, entrepreneurship, best practices, marketing, networking and cluster formation, incubator optimisation, information pathways |

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| **•** Dates (from – to) |  | **1996 - present** |
| **•** Name and address of employer |  | **Physics Department, Aristotelian University of Thessaloniki** |
| **•** Type of business or sector |  | **Public University** |
| **•** Occupation or position held |  | **Part-time Lecturer** |
| **•** Main activities and responsibilities |  | - Lecturing of the post-graduate subject: “Advanced ceramics and Composites” to the post graduate course: “Science and Technology of Materials”, 20 hours per year, 2 exams |

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| **•** Dates (from – to) |  | **1998 - present** |
| **•** Name and address of employer |  | **Logotech SA (Greece), GOPA-Cartermill (Belgium), Deloitte Consulting N.V. (Belgium), CIMATEC Srl (Italy), Oxford Research (No), KMU (Austria) and others** |
| **•** Type of business or sector |  | **Business and Innovation Management Consultancy** |
| **•** Occupation or position held |  | **Consultant in Innovation Management and Technology Transfer, Expert Advisor, Technology Auditor, Evaluator and Analyst, Innovation Management Consultant** |
| **•** Main activities and responsibilities |  | - *“Self-Assessment Seminars”*, “ProfaTIP”, *“Exploitation Strategy Seminars”*, ESIC/ESS (1998-2012). Exploitation Strategy Seminars and Workshops for EC-RTD projects in FP5/Growth and FP6-7/NMP focusing on Technology Transfer methodology, Technology Valuation and Valorisation, strategies for industrial exploitation of research results, Risk Analysis, IP Protection, Licensing, Business Planning and Innovation Management. Emphasis on SMEs and RD Institutes  - *“Enabling technologies and open innovation: Analysis of conditions for transfer of knowledge”*, Member of the Experts Committee, EC contract to KMU, Austria 2011-2012  - *EuropeINNOVA*, member of the Energy and Environment Panels, 2007-2009  - *“Substitution of critical Materials in the EE”*, Technical Advisor, study by Ramboll Consulting and Logotech for the European Parliament, 2011-2012  - SMEpact: *Impact assessment of the participation of SMEs in the FP5 and FP6”, Evaluator, 2009-2010*  - IMIS EC support action (2006-2007): *Technology Transfer Workshops* to IRC and Universities in Poland and Hungary  - EVIMP (GOMA-CT-2000-02010, 2000-2004), led by GOPA-Cartermill: *Auditing, Evaluation, Impact Assessment* studies for more than 100 completed EC-funded projects under FP3 and FP4  *-* EVIMP:  *Sectoral Impact Assessment* studies for EC-funded RD projects in Mechanical and Civil Engineering, Health, Environment, Microelectronics and IT, Aeronautics, Transport, Food Industry,  - EVIMP2, 2005-2008, led by Deloitte*: Evaluator of completed projects* and *Member of the Focus Advisory Group* for FP5 EC-funded projects  - EVIMP2-extension, 2007-2008 under ESIC: “Vekinis Report: *Results* *Exploitation* A*ssessment* of 685 projects under the Growth programme of FP5 to determine reasons for weak or no exploitation of results”  Also, about 15 *Technology Transfer and Innovation Management Consulting* to companies and government and EC departments in Europe and South Africa |

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| **•** Dates (from – to) |  | **2009 -2012** |
| **•** Name and address of employer |  | **European Commission, DG-Research** |
| **•** Type of business or sector |  | **Public body** |
| **•** Occupation or position held |  | **Project Technical Advisor (PTA)** |
| **•** Main activities and responsibilities |  | - Project Technical Advisor to IP and STREP projects under the NMP/FP7 programme of DG-Research,  - Member of a number of ex-post and ex-ante evaluation panels for the NMP programme under FP6, FP7 |

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| **•** Dates (from – to) |  | **2004 - present** |
| **•** Name and address of employer |  | **“ADVANCED INDUSTRIAL TECHNOLOGIES SA”, Thessaloniki, GREECE** |
| **•** Type of business or sector |  | **Microwave Dryer and Activator Manufacturing SME (spin-off start-up company)** |
| **•** Occupation or position held |  | President |
| **•** Main activities and responsibilities |  | President of “Advanced Industrial Technologies S.A.” RD spin-off company manufacturing industrial Microwave dryers and conditioners for the ceramics industry, offering dramatically reduced drying time and cost.  Drying and de-humidification Microwave-based installations for organic wastes, lignite, coal and bulk clay and minerals. New ultra-high temperature refractory-based hybrid systems |

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| **•** Dates (from – to) |  | **1998 - present** |
| **•** Name and address of employer |  | **European Commission, DG-R and the Greek Ministry of Development** |
| **•** Type of business or sector |  | **Public bodies** |
| **•** Occupation or position held |  | **Expert Proposal Evaluator** |
| **•** Main activities and responsibilities |  | Evaluations of project proposals in various programmes of the European Commission: Brite-Euram, Cooperation, I.P. (FP6-FP7) . Also for Hellenic projects of the General Secretariat for Research and Technology. |

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| **•** Dates (from – to) |  | **2002 - 2008** |
| **•** Name and address of employer |  | **National Technical University of Athens, Athens, Greece (for the Hellenic Ministry of Development)** |
| **•** Type of business or sector |  | **University** |
| **•** Occupation or position held |  | **Expert Consultant on Foresight and Innovation Management** |
| **•** Main activities and responsibilities |  | - Rapporteur and co-Chairman of the “New Materials” Working Group (2002-2005) within the National “Hellenic Foresight-2021” Project of the General Secretariat for Research and Technology.  - Rapporteur on Socio-Economic Resources for Foresight-Greece-2021  - Workshop on RD results Exploitation and Commercialisation Strategy, 2008 |

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| **•** Dates (from – to) |  | **1987 - 1990** |
| **•** Name and address of employer |  | **Cambridge University, UK** |
| **•** Type of business or sector |  | **University** |
| **•** Occupation or position held |  | Research Associate and Lecturer |
| **•** Main activities and responsibilities |  | - Post-Doc Research in the Engineering Department on Advanced ceramics and composites, toughening micro-mechanisms and methods.  - Part-time lecturer and Supervisor for Magdalene, Clare College, Robinson and Downing Colleges |

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| **•** Dates (from – to) |  | **1983 - 1987** |
| **•** Name and address of employer |  | **Institute of Materials Science, Council for Scientific and Industrial Research, Pretoria, South Africa** |
| **•** Type of business or sector |  | **Public Research Centre** |
| **•** Occupation or position held |  | **Chief Researcher and Group Leader** |
| **•** Main activities and responsibilities |  | - Head of the “Two-phase Systems” Research Group - research on model 2-phase systems and on novel advanced ceramics and on WC-Co  - Leader of the “Crystallography” Section, responsible for all Crystallographic and XRD activities of the Institute  - Member of the Technology Transfer task force carrying out Technology Auditing and Innovation Management training |

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| **•** Dates (from – to) |  | **12 months total during 1984, 1985 and 1986** |
| **•** Name and address of employer |  | **Technion University, Haifa, Israel** |
| **•** Type of business or sector |  | **University** |
| **•** Occupation or position held |  | **Visiting Research Scientist** |
| **•** Main activities and responsibilities |  | Research on High-temperature and High-pressure effects on ceramics and composites in the Materials Engineering Department |

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| **•** Dates (from – to) |  | **03/1980 – 03/1981** |
| **•** Name and address of employer |  | **Boart International – Research Centre, Krugesdorp, South Africa** |
| **•** Type of business or sector |  | **Corporate Research Centre – Mining equipment company** |
| **•** Occupation or position held |  | Researcher |
| **•** Main activities and responsibilities |  | Research on wear resistance and mechanisms and on WC-Co and super alloys |

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| **•** Dates (from – to) |  | **Periods during 1977 - 1981** |
| **•** Name and address of employer |  | **University of the Witwatersrand, Johannesburg, South Africa** |
| **•** Type of business or sector |  | **University** |
| **•** Occupation or position held |  | Part time lecturer, Research Assistant, Computer Main Frame Operator |
| **•** Main activities and responsibilities |  | Various part-time positions as Physics Lecturer and Tutor and Research Assistant (Department of Physics), and IBM main-frame operator (Computing Centre) |

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| Education and training |

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| • Dates (from – to) |  | **02/1974 – 12/1978** |
| • Name and type of organization providing education and training |  | **University of the Witwatersrand, Johannesburg, South Africa** |
| • Principal subjects/occupational  skills covered |  | **Physics and Computer Science** |
| • Title of qualification awarded |  | **Bachelor of Science** |

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| • Dates (from – to) |  | **02/1979 – 03/1980** |
| • Name and type of organization providing education and training |  | **University of the Witwatersrand, Johannesburg, South Africa** |
| • Principal subjects/occupational  skills covered |  | **Experimental and Theoretical Physics** |
| • Title of qualification awarded |  | **Bachelor of Science with Honours** |

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| • Dates (from – to) |  | **03/1981 – 04/1987** |
| • Name and type of organization providing education and training |  | **University of the Witwatersrand, Johannesburg, South Africa** |
| • Principal subjects/occupational  skills covered |  | **Physics and Materials Science** |
| • Title of qualification awarded |  | **PhD** |

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| • Dates (from – to) |  | **Periods during 1983 - 1986** |
| • Name and type of organization providing education and training |  | **Council for Scientific and Industrial Research, Pretoria South Africa** |
| • Principal subjects/occupational  skills covered |  | **Training in Innovation Management, Technology Audit and Technology Transfer. Also Project and Personnel Management Training** |
| • Title of qualification awarded |  | **Certificates** |

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| • Dates (from – to) |  | **09/1988 – 06/1989** |
| • Name and type of organization providing education and training |  | **Open University, UK** |
| • Principal subjects/occupational  skills covered |  | **Core Management Courses** |
| • Title of qualification awarded |  | **Diploma in Business Management ( Core)** |

**Membership of professional bodies:**

Member: European Materials Research Society

Member: Institute of Linguists, UK

Member of MENSA International, Cambridge, UK

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| EDUCATION |
| BSc (Physics, Computer Science), University of the Witwatersrand, Johannesburg, South Africa, 1977  BSc (Honours, Physics), as above, 1978  PhD (Physics), as above, 1986  MBA (Core: "The Effective Manager"), Open University, UK | |

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| Mother tongue | |  | **greek** | | |
| Other languages | |
| **LANGUAGE** | **READING** | | | **WRITING** | **VERBAL** | |
| English | Excellent | | | Excellent | Excellent | |
| Dutch | Fair | | | Fair | Fair | |
| French | Fair | | | Fair | Fair | |

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| Personal skills  and competences  *Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas*. |

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| Social skills  and competences  *Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.* |  | * Supervision of PhD and MPhil students in South Africa, Greece and UK * Member of the Toastmasters International, South Africa, till 1987 * Leader of a Scout Group, South Africa, 1978- 1987 |

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| Organizational skills  and competences  *Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.* |  | * Leader of “Advanced Ceramics” Research Group and Laboratory, IMS, NCSR “Demokritos”, Greece * Facilitator and Animator of Business Planning/Technology Exploitation Seminars/Workshops for DG-R (EC), since 2000 * Interviewing of over 600 persons in companies and academia as part of the Evaluation and Impact Assessment Project “EVIMP” of DG-R of EC, 1999-2003. * Leader of “Two-Phase systems” Research Group, Materials Institute, CSIR, South Africa, 1984-1987 * Leader of the “Crystallography” Section, Materials Institute, CSIR, South Africa, 1984-1987 * Management and coordination of RD research projects in South Africa, UK and Greece totalling over 3million Euro in total. * Co-owner and President of the technology spin-off company “Advanced Industrial Technologies SA”, Thessaloniki, Greece * Chairman of the Organising Committee of the 3rd Intern. Planetary Probe Workshop, June 2005 Greece |

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| Technical skills  and competences  *With computers, specific kinds of equipment, machinery, etc.* |  | * MS Windows 98/XP, MS Applications (Office, Outlook etc), Internet (Internet Explorer, Netscape), Intellectual Property Research and Analysis, Market Research and Analysis, Web-Research, Company Analysis * Detailed knowledge of a large number of techniques in Physics, Materials Science and Chemical and Materials Engineering * Industrial processes in Ceramics Manufacturing   **Technical Fields of Expertise:**  Advanced Ceramics and Ceramic Composites; Advanced Metallic Alloys and Superalloys; Heterogeneous Catalysts; Advanced refractories, Ceramics for Microelectronics; Bio-ceramics for Health; Metal-ceramic interfaces, coatings and bonding; Combustion synthesis and processing of materials; processing and characterisation of nano-materials; Microwave processing of Ceramics; Nano-structured materials; Functionally gradient materials; Archaeometry; Polymeric composites; Materials for Fusion and Fission Reactors; Wear Resistance and Fracture Toughening; Materials Selection methodology, environmental protection and remediation.  Information Technology and Society, Advanced IT, new microelectronic materials, advanced computing methods  Innovation Management, Technology Transfer, Exploitation Strategy, Business Planning, Project Auditing and Evaluation |

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| Additional information |  | **Publications**: About 70 International refereed publications, over 50 technical and analysis reports, over 130 conference presentations, over 150 seminars and talks, 6 patents, 2 monographs. |

**Dr George Vekinis**

**LIST OF PUBLICATIONS**

**(Citations as at May 2014)**

**Books:**

1. “Technology transfer in practice: from Invention to Innovation – a step-by-step guide for Researchers and Inventors”, Presstime -Vekinis, 2014

2. “Technological Innovation and Entrepreneurship: best practices for technological start-ups”, under preparation (May 2014)

**Patents:**

1. “Method and Apparatus for thermal conditioning of wet ceramic products”, GR2002100429, EP1615758, WO 2004030882
2. “Hybrid thermo-mechanical protection system for spacecraft and space probes”, GR20070100026
3. “Drying of lignite and other bulk mined ores by electromagnetic irradiation”, GR20070100023
4. “Drying and sterilization of civic sewage sludge by electromagnetic irradiation”, GR20070100022
5. “Treatment and recycling of animal bio-waste”, GR 20110200075
6. "Composite material for protection against cosmic rays and other high energy charged particles", GR201101000595

**International Refereed Publications and Proceedings**

1. G Vekinis, J Kopp and D S McLachlan, "Thermoelectric power of concentrated PdHx", Journal de Physique, 39(1978)C6-439 (0)
2. G Vekinis and S B Luyckx, "Effects of triaxial cyclic precompression on the length of Palmqvist cracks in WC-6%Co", Proc 2nd Int. Conference on the Science of Hard Materials, Rhodes, Greece, September 1984, Inst. Phys. Conf. Ser. No 75, Publ, Adam Hilger Ltd, 1986, p. 591.(0)
3. S B Luyckx and G Vekinis, "On the optimum conditions for increasing crack propagation resistance of WC-Co by precompression", METALL, 12(1986)1247. (0)
4. G Vekinis and S B Luyckx, "On the relationship between the length of Palmqvist cracks and residual surface stresses in WC-Co", NDT Int.,19:2(1985)89. (0)
5. I Sigalas, A Vlachos and G Vekinis, "Shear strength of pyrophyllite and talc as a function of pressure, temperature and relative humidity", High Temperatures-High Pressures, 18(1986)293.(6)
6. G Vekinis and S B Luyckx, "The effects of cyclic precompression on the magnetic coercivity of WC-6%Co", Mat. Sc. Eng. Lett., 96(1987)L21 (4)
7. G Vekinis, FRN Nabarro and S Bartolucci Luyckx, "Precompression, internal stresses and coercivity in WC-Co", Invited paper, Proc 3rd Int. Conf. Science of Hard Materials, Nov 1987, Bahamas, Mater. Sci. Eng., A105/106(1988)337-342. (2)
8. G Vekinis, MF Ashby and PWR Beaumont, "R-Curve behaviour of alumina ceramics", Acta Metall Mater, 38(1990)1151. (183)
9. G Vekinis, P W R Beaumont, G Pritchard and R Wainwright, "Direct observation of fracture in filled-epoxy resins", J of Mater Sci, 26(1991)4527. (3)
10. G Vekinis, H R Shercliff and P W R Beaumont, "Dynamic testing of ceramics and ceramic composites in the SEM", Metals and Materials, 7:5(1991)279. (5)
11. G Vekinis, M F Ashby and P W R Beaumont", The compressive failure of alumina containing controlled distributions of flaws", Acta Metall Mater, 39(1991)2583. (22)
12. G Vekinis, M F Ashby H R Shercliff and P W R Beaumont, "Modelling the failure processes of alumina and a ceramic-based fibre composite", Proc. Int. Conf. on Micro-phenomena in Fibre Composites, Tel Aviv, Israel, June-July 1992, Elsevier Science Publ. (0)
13. G Vekinis, M F Ashby and P W R Beaumont, "Plaster-of-Paris as a model material for brittle porous solids", J Mater Sci, 28(1993)3221. (25)
14. G Vekinis, M F Ashby H R Shercliff and P W R Beaumont, "The micromechanisms of fracture of alumina and a ceramic-based fibre composite: Modelling the failure processes”, Composites Science and Technology, 48(1993)156. (7)
15. M. Barone, G. Tsorbatzoglou and G. Vekinis, Proc Int Conf on Gravitational Wave Experiments, Rome, June 1994, eds. E Coccia, G Pizzella and F Ronga, publ. World Scientific, London, p.288. (0)
16. G. Vekinis and G. Tsorbatzoglou, "Energy-active interfaces in ceramic fibre-alumina matrix composites", Proc. 6th Int Conf. CIMTEC, July 1994, Florence, Italy, pp1105. (0)
17. H R Shercliff, G Vekinis and PWR Beumont, "Direct observation of fracture of CAS-Glass/SiC fibre Composites", Part I: Delamination, J. Mater Sci, 29(1994)3643. (12)
18. H R Shercliff, G Vekinis and PWR Beumont, "Direct observation of fracture of CAS-Glasss/SiC fibre Composites", Part II: Notch Tension, J. Mater Sci. 29 (1994) 4184. (12)
19. V Kylikoglu, G Vekinis and Y Maniatis, "Toughening of eartheware by quartz inclusions: an ancient art revisited", Acta Metal. et Mater. 43(1995)2959. (26)
20. S K Patapis, E Moraitakis, G Vekinis, D Niarchos and P Clippe, “Percolation Conductivity and Fractal Behaviour in an YBaCuO sample”, Mod. Phys. Lett. B, 11(1997)511-519. (2)
21. G Vekinis, E Sofianopoulos and W J Tomlinson, “Alumina toughened with short nickel fibres”, Acta Materialia, 45:11(1997)4651-4661. (15)
22. V Kilikoglou, G Vekinis, Y Maniatis and P M Day, “Mechanical Performance of quartz-tempered ceramics: Part I: Strength and Toughness", Archaeometry, 40:2 (1998)261-279. (54)
23. V Kilikoglou and G Vekinis, “Mechanical Performance of quartz-tempered ceramics: Part II: Hertzian strength, wear resistance and applications to ancient ceramics", Archaeometry, 40:2 (1998)281-292. (10)
24. G Xanthopoulou and G.Vekinis "Investigation of Catalytic Oxidation of CO over a Cu-Cr-oxide Catalyst made by Self-Propagating High-Temperature Synthesis", Applied Catalysis B: Environmental, 19(1998)37-44. (40)
25. M Barone, G Vekinis and G Tsorbatzoglou, “Finite Element Analysis of the aluminium frame of the NESTOR Detector”, Nuclear Physics B (Proc. Suppl.) 61B (1998)151-158. (0)
26. W Tomlinson, N Kalitsounakis and G Vekinis, "Cavitation erosion of aluminas", Ceramics International, 25(1999)331-338. (20)
27. C Trapalis, G Maistralis, G Vekinis, V. Verganelakis and G Kordas, “Organic-Inorganic hybrid coatings for Glass Strengthening”, Glass Technische Berichte, October 1999. (3)
28. M S Fatouros, G Vekinis, K L Bourantas, E P Mylonakis, A S Scopelitou, V D Malamou-Mitsis and A M Kappas, “Influence of growth factors EPO and GM-CSF on the mechanical strength and healing rate of anastomoses in rats”, European J. of Surgery, 165(1999)986-992. (43)
29. M S Fatouros, G N Dalekos, E P Mylonakis, G Vekinis and A M Kappas, “Preliminary results on alterations of body weight, breaking strength and wound healing in wistar rats treated pre- and post- operatively with Erythropoietin or Granulocyte Macrophage Colony Stimulating Factor”, J. Lab. and Clinical Medicine, 133(1999)253-259. (17)
30. G Xanthopoulou and G Vekinis, “Influence of cooling conditions on the composition, microstructure and activity of SHS catalysts”, Int. J. of Self-Propagating High-Temperature Synthesis, 8:3(1999)67-73 (4)
31. G Xanthopoulou and G Vekinis, “Deep Oxidation of methane using catalysts and carriers produced by self-propagating high-temperature synthesis”, Applied Catalysis A: General, 199 (2000)227-238. (17)
32. G Xanthopoulou and G Vekinis, “An overview of some Environmental Applications of Self-Propagating High-Temperature Synthesis”, Advances in Environmental Sciences, vol 5:2 (2001)117-128. (24)
33. G. Xanthopoulou and G.Vekinis, “MgO/MgAl2O4 refractories by SHS”, Int. J. of Self-Propagating High Temperature Synthesis, Vol 11(2001)1. (5)
34. M. S. Tite, V. Kilikoglou, and G.Vekinis, Review article: “Strength, toughness and thermal shock resistance of ancient ceramics, and their influence on technological choice”, Archaeometry,44 (2001), 301-324. (89)
35. V. Kilikoglou and G. Vekinis, “Failure prediction and function determination of archaeological pottery by Finite Element Analysis” J. of Arch. Sci. 29 (2002), pp. 1317-1325. (12)
36. C.A. Nannetti, B. Riccardi, A. Ortona, A. La Barbera, E. Scafè and G. Vekinis, “Development of 2D and 3D Hi-Nicalon fibres/SiC matrix composites manufactured by a combined CVI-PIP route”, J. Nuclear Materials 307-311 (2 Suppl., 2002), pp. 1196-1199 (14)
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