1. Record Nr. UNISA990001708900203316

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| Autore | KLEIN, Johannes |
| Titolo | Geschichte der deutschen Lyrik / Johannes Klein |
| Pubbl/distr/stampa | Wiesbaden, : Steiner, 1960 |
| Descrizione fisica | XVI, 906 p. ; in 8°, 25 cm |
| Collocazione | VII.2.C. 127a(II T B 301)<br>VII.2.C. 127(II T B 300) |
| Lingua di pubblicazione | Tedesco |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |

2. Record Nr. UNINA9910787575203321

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| Autore | Manickam Sivakumar |
| Titolo | Cavitation : a novel energy-efficient technique for the generation of nanomaterials / / edited by Sivakumar Manickam, Muthupandian Ashokkumar |
| Pubbl/distr/stampa | Boca Raton : , : Pan Stanford Publishing, , [2014]<br>©2014 |
| ISBN | 0-429-10246-1<br>981-4411-54-X |
| Descrizione fisica | 1 online resource (445 p.) |
| Disciplina | 620.115 |
| Soggetti | Nanostructured materials<br>Cavitation |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Front Cover; Contents; Foreword; Preface; 1. Development of Multifunctional Nanomaterials by Cavitation; 2. Generation of Size, Structure, and Shape-Controlled Metal Nanoparticles Using Cavitation; |

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| | 3. Sonochemical Synthesis of Noble Monometallic and Bimetallic Nanoparticles for Catalytic Applications; 4. Ultrasound-Assisted Synthesis of Metal Oxide Nanomaterials; 5. Synthesis of Nanomaterials Using Hydrodynamic Cavitation; 6. Sonoelectrochemical Synthesis of Nanomaterials; 7. Preparation of Nanomaterials Under Combined Ultrasound/Microwave Irradiation<br>8. Ultrasound-Assisted Preparation of Nanopolymeric and Micropolymeric Materials for the Encapsulation of Bioactive Agents9. Innovative Inorganic Nanoparticles with Antimicrobial Properties Attached to Textiles by Sonochemistry; 10. Ultrasonic Processing for Synthesis of Nanocomposite via in situ Emulsion Polymerization and Their Applications; 11. Controlled Sonochemical Fabrication of Mesoporous Surfaces and Metal Sponges; 12. Numerical Simulations of Nucleation and Aggregation of BaTiO3 Nanocrystals Under Ultrasound; 13. Ultrasonics and Sonochemistry: Some Issues and Future Perspectives |
| Sommario/riassunto | As nanomaterials and their end products occupy the pinnacle position of consumer markets, it becomes vital to analyze their generation processes. One of the green chemistry principles underlines the need for unusual energy sources to generate them. Utilizing the extreme energy from the collapse of cavitation bubbles, generated by either ultrasound or hydrodynamic forces, for the generation of nanomaterials is a merit to consider in this ""Green Chemical Processing Era."" A wide range of nanomaterials have been developed in the past decade using cavitation or coupling cavitation with other tech |