|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | Nanomaterials Design | 1 | 0 | 10 | $1,000,000.00 |  |  | 0 | no |
| 12 | Nano-interfacial Characterization | 1 | 0 | 10 | $1,000,000.00 |  |  | 0 | no |
| 52 | Carbon Nanotubes | 1 | 0 | 10 | $1,000,000.00 |  |  | 0 | no |
| 53 | Optical Lithography | 1 | 0 | 10 | $1,000,000.00 |  |  | 0 | no |
| 54 | Scanning Tunneling Microscopy | 1 | 0 | 10 | $1,000,000.00 |  |  | 0 | no |
| 55 | Ion Etching | 1 | 0 | 10 | $1,000,000.00 |  |  | 0 | no |
| 56 | High-Tech MRI | 1 | 2 | 10 | $1,000,000.00 |  |  | 0 | no |
| 13 | Metal Nanoparticles | 2 | 0 | 10 | $2,000,000.00 | 11,55 |  | 0 | no |
| 14 | Semiconductor Quantum Dots | 2 | 0 | 10 | $2,000,000.00 | 53,55 |  | 0 | no |
| 15 | Nano Carbon | 2 | 0 | 10 | $2,000,000.00 | 11,52 |  | 0 | no |
| 16 | Nano-polymers | 2 | 0 | 10 | $2,000,000.00 | 12,54 |  | 0 | no |
| 17 | Exposure Related (Inhalation risks/Water born risks) | 2 | 0 | 10 | $2,000,000.00 | 52,54 |  | 0 | no |
| 25 | DNA Self-Assembly | 2 | 0 | 10 | $2,000,000.00 | 56 |  | 0 | no |
| 57 | Nano-Imaging Particles | 2 | 2 | 10 | $2,000,000.00 | 56 |  | 0 | no |
| 59 | Biocompatible Nanomaterials | 2 | 0 | 10 | $2,000,000.00 | 11 |  | 0 | no |
| 65 | Piezelectric nanowires | 2 | 0 | 10 | $2,000,000.00 | 52,53,55 |  | 0 | no |
| 77 | Graphene nanomaterial | 2 | 0 | 10 | $2,000,000.00 | 11 |  | 0 | no |
| 92 | Manufacture of Nanomaterials | 2 | 0 | 10 | $2,000,000.00 | 11,53 |  | 0 | no |
| 19 | Lithographic Self-Assembly | 3 | 0 | 10 | $3,000,000.00 | 14,92 |  | 0 | no |
| 20 | Templated Self-Assembly | 3 | 0 | 10 | $3,000,000.00 | 13 |  | 0 | no |
| 58 | nano-particle targeting | 3 | 2 | 10 | $3,000,000.00 |  |  | 0 | no |
| 60 | 3D Biomaterial Printing | 3 | 0 | 10 | $3,000,000.00 | 59 |  | 0 | no |
| 62 | Synthetic DNA | 3 | 0 | 10 | $3,000,000.00 | 25 |  | 0 | no |
| 66 | Triboelectric nanogenerators | 3 | 0 | 10 | $3,000,000.00 | 16,65,14 |  | 0 | no |
| 72 | Oxygen-generating photoanode nanowires | 3 | 0 | 10 | $3,000,000.00 | 65 |  | 0 | no |
| 74 | Nanosponges | 3 | 0 | 10 | $3,000,000.00 | 16 |  | 0 | no |
| 78 | Graphene Sheets | 3 | 0 | 10 | $3,000,000.00 | 77 |  | 0 | no |
| 79 | Graphene-based memory | 3 | 0 | 10 | $3,000,000.00 | 77 |  | 0 | no |
| 84 | Nanoparticle Vehicle | 3 | 0 | 10 | $3,000,000.00 | 15 |  | 0 | no |
| 88 | Quantum Computing algorithms | 3 | 0 | 10 | $3,000,000.00 | 14 |  | 0 | no |
| 26 | Graphene Transistors | 4 | 0 | 10 | $4,000,000.00 | 19 |  | 0 | no |
| 31 | Fuel Cells | 4 | 0 | 10 | $4,000,000.00 | 19 |  | 0 | no |
| 32 | Flexible Displays | 4 | 0 | 10 | $4,000,000.00 | 20 |  | 0 | no |
| 35 | Artificial Photosynthesis | 4 | 0 | 10 | $4,000,000.00 | 72 |  | 0 | no |
| 37 | Neuro-Conductive Scaffolds | 4 | 0 | 10 | $4,000,000.00 | 25 |  | 0 | no |
| 39 | Synthetic Cells/tissues | 4 | 0 | 10 | $4,000,000.00 | 62 |  | 0 | no |
| 42 | Reconfigurable Systems | 4 | 0 | 10 | $4,000,000.00 |  | 27,28 | 0 | no |
| 61 | Super-compatible Scaffolds | 4 | 0 | 10 | $4,000,000.00 | 60 |  | 0 | no |
| 70 | Hydrogen permeable nanoparticles | 4 | 0 | 10 | $4,000,000.00 | 20 |  | 0 | no |
| 75 | Thermoelectric generators | 4 | 0 | 10 | $4,000,000.00 | 66,78,79 |  | 0 | no |
| 81 | Wearable Solar Cell | 4 | 0 | 10 | $4,000,000.00 | 78,79 |  | 0 | no |
| 83 | Neutralizing Biochemical agent | 4 | 0 | 10 | $4,000,000.00 | 20,84 |  | 0 | no |
| 85 | Biochemical nanoweapon | 4 | 0 | 10 | $4,000,000.00 | 20,84 |  | 0 | no |
| 89 | Lab-on chip devices | 4 | 0 | 10 | $4,000,000.00 | 66,88 |  | 0 | no |
| 91 | Super Capacitors | 4 | 0 | 10 | $4,000,000.00 | 66 |  | 0 | no |
| 41 | Wearable Computers | 5 | 0 | 10 | $5,000,000.00 | 32, | 42,26 | 0 | no |
| 46 | Risk Based Oversight | 5 | 0 | 10 | $5,000,000.00 |  |  | 0 | no |
| 50 | Regenerated Tissues | 5 | 0 | 10 | $5,000,000.00 |  | 37,39 | 0 | no |
| 51 | Nano-satellite Systems | 5 | 0 | 10 | $5,000,000.00 |  | 36,33 | 0 | no |
| 63 | Multiple organ system interaction | 5 | 0 | 10 | $5,000,000.00 | 61,39 |  | 0 | no |
| 68 | Nanorobots - Cancer diagnosis/treatment | 5 | 0 | 10 | $5,000,000.00 | 91 |  | 0 | no |
| 71 | Hydrogen harvesting | 5 | 0 | 10 | $5,000,000.00 | 70,35 |  | 0 | no |
| 73 | Nanorobots - pollution removing | 5 | 0 | 10 | $5,000,000.00 | 91,74 |  | 0 | no |
| 76 | Wearable Solar Cells | 5 | 0 | 10 | $5,000,000.00 | 75 |  | 0 | no |
| 82 | Solar Powered Prosthetics | 5 | 0 | 10 | $5,000,000.00 | 75,81 |  | 0 | no |
| 86 | Nanoweapons System | 5 | 0 | 10 | $5,000,000.00 | 83,85 |  | 0 | no |
| 87 | Oxygen production and Air purification | 5 | 0 | 10 | $5,000,000.00 | 35,31,26 |  | 0 | no |
| 90 | Neural Implants & nanosurgery | 5 | 0 | 10 | $5,000,000.00 | 89,39 |  | 0 | no |
| 64 | Organ/Limb regeneration | 6 | 0 | 10 | $6,000,000.00 | 63 |  | 0 | no |
| 69 | Cancer diagnosis & treatment | 6 | 0 | 10 | $6,000,000.00 | 68 |  | 0 | no |