|  |  |  |
| --- | --- | --- |
| M2 | Composition before immersing | Composition after immersing |
| Element | wt.% | at.% | wt.% | at.% |
| C K | 5.31 | 21.60 | 5.31 | 22.17 |
| O K | 4.62 | 14.11 | 4.77 | 14.95 |
| Al K | 0.58 | 1.05 | 0.46 | 0.85 |
| Si K | 27.43 | 47.70 | 25.53 | 45.59 |
| Pt K | 62.05 | 15.53 | 63.94 | 16.44 |
| Totals | 100 | 100 | 100 | 100 |
|   |   |   |   |   |

**Table II.** EDS results of PVA/silica composite nanofibers (M1 – M4).

|  |  |  |
| --- | --- | --- |
| M1 | Composition before immersing | Composition after immersing |
| Element | wt.% | at.% | wt.% | at.% |
| C K | 8.72 | 35.64 | 8.71 | 35.89 |
| O K | 5.36 | 16.45 | 5.15 | 15.92 |
| Al K | 0.2 | 0.36 | 0.27 | 0.49 |
| Si K | 17.37 | 30.35 | 17.18 | 30.27 |
| Pt K | 68.34 | 17.19 | 68.69 | 17.42 |
| Totals | 100 | 100 | 100 | 100 |

|  |  |  |
| --- | --- | --- |
| M3 | Composition before immersing | Composition after immersing |
| Element | wt.% | at.% | wt.% | at.% |
| C K | 5.10 | 19.78 | 4.84 | 19.31 |
| O K | 5.07 | 14.76 | 4.84 | 14.50 |
| Al K | 0.61 | 1.06 | 0.53 | 0.94 |
| Si K | 30.38 | 50.36 | 29.58 | 50.46 |
| Pt K | 58.83 | 14.04 | 60.21 | 14.79 |
| Totals | 100 | 100 | 100 | 100 |
|  |   |   |   |   |

|  |  |  |
| --- | --- | --- |
| M4 | Composition before immersing | Composition after immersing |
| Element | wt.% | at.% | wt.% | at.% |
| C K | 5.46 | 21.86 | 4.88 | 19.73 |
| O K | 5.50 | 16.54 | 5.27 | 15.99 |
| Al K | 1.30 | 2.32 | 1.01 | 1.82 |
| Si K | 25.66 | 43.97 | 27.27 | 47.14 |
| Pt K | 62.08 | 15.31 | 61.57 | 15.32 |
| Totals | 100 | 100 | 100 | 100 |
|   |   |   |   |   |